

**“F”**

## **Applicant Response to 2023 Action Items**



Re: Major Modification – Action Items/Concerns

The following memo address items of concern and the actions taken to resolve those concerns.

**Water Availability Tier 3** The Company completed a Water Availability Analysis (WAA) Tier 3, prepared by O'Connor Environmental, Inc.. The report noted that the project well is drilled entirely within the Sonoma Volcanics bedrock aquifer and given the short seasonal period of hydraulic connectivity between Lincoln Creek and the alluvial aquifer underlying it and given the relationship between groundwater elevation in the Sonoma Volcanics aquifer relative to the elevation of the streambed of Lincoln Creek, we believe that operation of the project well will not substantially affect streamflow within Lincoln Creek or the Napa River downstream.

**Water Availability Tier 1** The Tier 1 analysis has been incorporated into the tier 3 analysis and focuses on water use calculations and a hydrogeologic analysis of groundwater recharge. This WAA also incorporates a recently completed lot line adjustment. The Tier 1 analysis indicates that the estimated average annual recharge scaled to the parcel area is 9.84 acre-feet/year and the proposed groundwater use (9.73 acre-feet/year) is 99% of average annual recharge.

**Hold & Haul:** The Company has decided to start the production facility using the approved hold & Haul System. However, the company is also prepared to use an alternative method that captures treated process waste and re-uses the water for Irrigation based on production capacity and the need to efficiently process the waste water. The winery process wastewater feasibility report prepared by Applied Civil Engineering documents the feasibility of both the hold and haul scenario as well as the treatment and re-use scenario and the Company seeks approval for both options.

**Use of Yount Mill Rd:** The Company will not use Yount Mill Road for any harvest activity including delivering grapes or harvest equipment. All deliveries/shipments will be made from the St. Helena main driveway.

**Production:** The Company's primary production facility consists of wine caves that are only suitable for barrel storage. When the major modification is complete it will include room for additional barrels, grape crush area, wine fermentation and racking tanks as well as an area for bottling.

540 Technology Way, Napa, CA 94558  
Telephone: 707-963-2134 Fax: 866-276-8065  
[www.deldottovineyards.com](http://www.deldottovineyards.com)

**Extrapolated Channel Creek setback:** The Company entered a “Streambed Alteration Agreement” with the California Department of Fish and Game (DFG). In the Agreement the setback was agreed to be West 25ft. and East 15ft. of the creek. The set back is also shown in the civil engineering drawings for the site.

**Traffic Study** The Company amended the traffic study as the route of travel has changed for harvest, employees and Hold & Haul activities from the use of the driveway on Yount Mill Road to the main entrance on Highway 29. Per the amended traffic study, the altered route would not unreasonably cause any less safe conditions on Highway 29. The existing driveway on Highway 29 includes adequate sight distance at the driveway entrance and the existing two-way left turn lane facilitates left turns into the site, as well as two stage left turns when exiting the site.



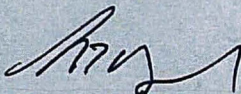
Memo 2.1.25 <sup>mm</sup>  
Del Dotto Vineyards

To: Mike Burgess  
From: Robbie Meyer  
RE: Piazza production area under planning

We are currently storing 300 barrels for aging while we are waiting for major modification approval.

We would like to produce 75,000 gallons of wine there based on the proposed floor plan. We can install sufficient fermentation tanks for the desired tonnage, have enough space for fruit processing equipment and sufficient space for additional barrel storage under this plan. The space works very well for the entire process, from receiving fruit, processing, fermentation, barrel work, and bottling.

As soon as the build is complete, we can begin moving tanks and equipment in and would be prepared to process fruit right away. The space will naturally begin to fill up over the course of the first year, but will likely be into a "full" production by year two.



Robbie Meyer  
Winemaker





Yountville Vineyards LLC / Piazza Del Dotto Winery  
 7466 St. Helena Highway  
 Yountville, CA

May 6, 2023

Emily Hedges and Napa County Planning Staff:

Re: Current Production and Future Processing on-site

### Current Production

Piazza is currently used to cellar wine that is stored in barrels located in the cave. There are no crush, bottling or racking done on site, those production processes are completed at three other locations in the Napa Valley. Those locations are Historic Del Dotto (Atlas Peak), 1055 Atlas Peak Rd., Napa, Del Dotto Estate (Estate), 1445 St. Helena Hwy. South, St. Helena, and Villa Del Lago (VDL), 1551 Sage Canyon Rd. St. Helena. Case storage takes place at 540 Technology Way, Napa.

Based on the Napa County Wine Production Process, the site averages 6,304 gallons in wine production annually over the last four years. The majority of the wine is used to satisfy visitation by providing bottled wine for tours and tasting, and for wine sold onsite carried out by the customer.

Piazza (No Crush Activity)	2019	2020	2021	2022	Average
<b>Production Process</b>					
Crushed	-	-	-	-	-
Cellaring - Inventory Loss	(419)	(605)	(511)	(333)	(467)
A. Fermentation	(419)	(605)	(511)	(333)	(467)
<b>Bulk</b>					
B. Bulk Received	21,411	17,554	20,122	17,784	19,217
C. Bulk Shipped	15,012	16,659	18,321	17,681	16,918
Net	6,399	895	1,801	103	2,299
<b>Bottled Wine Received</b>	<b>4,896</b>	<b>2,372</b>	<b>5,248</b>	<b>5,371</b>	<b>4,472</b>
<b>Annual Production</b>	<b>10,877</b>	<b>2,662</b>	<b>6,538</b>	<b>5,141</b>	<b>6,304</b>

*all amounts in gallons:*

**Source** TTB Form 5120, except for bottled wine poured and wine received for carry out by customers, which have been calculated from the company's accounting records

A major undesirable outcome of the current production process is transporting bulk wine in (avg.19,217 gallons) and shipping bulk wine out (avg.16,918 gallons) to other facilities where the wine is crushed, racked and bottled. Finally, the wine is shipped to case storage from facilities other than Piazza. Therefore, a significant amount of shipping is incurred to move wine to other locations to finish production.

**Current Process:** Piazza is only used for Cellaring



### Proposed Production

Following the construction of the winery production building and cave expansion, the site will be able to produce 75,000 gallons of wine annually from crush through finishing. At the end of the production process, finished wine will be shipped out for bottling. Trips will be reduced by half as wine will no longer have to be shipped from our crush facilities to Piazza, instead they will be crushed on site and then barreled down to store in the expanded cave without being shipped out again for racking. Winemaking will then take place in the production building as barrels are racked and periodically washed. The final finished wine will then be shipped out for bottling and storage. In the near future, 540 Technology Way will also be able to bottle wine eliminating another step in the process. As a result, both bottling and case storage will be done in one centralized location, further reducing traffic and transportation trips.

**Proposed Process:** Piazza is fully integrated (Crush, Cellaring, Racking)



\*540 Technology Way has an approved "use permit" that includes bottling (P19-00225); when the bottling capability is in place trucking will be further reduced as bottling and storage will be combined in one facility

The goal is to balance production between the facilities and prepare for future growth. When Piazza is able to increase wine making, Del Dotto Vineyards will have two main wineries - Piazza with the production limit of 75,000 gallons and the Estate with 48,000 gallons VDL has a use permit for 15,000 gallons which is currently being used for production. VDL is located in an area of severe/moderate fire danger. Insurance coverage is literally nonexistent, and we have not been able to secure coverage of bulk wine at any of these three locations. Reducing fire risk is a major consideration for expanding Piazza's



cave, in particular moving wine from VDL to Piazza's cave will be safer than cellaring at VDL located on remote Sage Canyon Road. Piazza will also be the newest and most efficient winery with the largest cave for barrel storage and will be moving to full production as soon as possible.

Currently, the four-year average of crushed wine is 49,455 gallons for Del Dotto Vineyards, this includes one of the lowest harvest years on record 2020. Projecting out ten years, our forecasts include annual growth of 7.5% as we supply inventory for visitation and increase our presence in strategic wholesale accounts. Therefore, we will need 107,000 gallons of wine to meet those forecasted production numbers.

4-year average of tons crushed for all locations:

<b>Tons Crushed</b>	<b>2022</b>	<b>2021</b>	<b>2020</b>	<b>2019</b>	<b>Average</b>
Owned	209	217	187	276	222
Contract	122	101	88	231	135
<b>Total</b>	<b>330</b>	<b>319</b>	<b>275</b>	<b>506</b>	<b>358</b>
Conversion	141	131	128	147	137
<b>Gallons</b>	<b>46,496</b>	<b>41,670</b>	<b>35,181</b>	<b>74,475</b>	<b>49,455</b>

7.5% Annual Growth Rate, over 10 years, estimated tons 737, conversion 145 gals/ton, total gallons 107,000

<b>Production Capacity</b>		<b>10 yr. Production Forecast - 7.5% Growth</b>	
Piazza	75,000	Gallons Needed	107,000
Estate	48,000	Production Capacity	128,000
VDL*	5,000	Diff. Production vs. Capacity	21,000
	<b>128,000</b>	Utilization	84%

\* limited production usage based on high fire danger

To successfully build a strong local business with balanced and efficient production, reducing trucking and the risk of fire and earthquake loss, it is absolutely necessary to increase the wine production at Piazza. Specifically, cave expansion is paramount in order to mitigate fire and earthquake risks. Our insurance costs tripled, and our coverage was dropped on bulk wine. Therefore, one of the main reasons for the expansion is to self-insure by storing our barrels in the cave and protecting our inventory. Caves are fire resistant and the safest place to store barrels. Additionally, with more room in the cave we can stack barrels one high and minimize any damage during an earthquake. Finally, shifting production from the Estate to Piazza will allow us to mitigate trucking on the highways to/from the various winery locations, resulting in logistical sense and less traffic.

Sincerely,



Michael Burgess, CFO



State of California – The Natural Resources Agency  
DEPARTMENT OF FISH AND GAME  
Bay Delta Region  
7329 Silverado Trail  
Napa, CA 94558  
(707) 944-5500  
[www.dfg.ca.gov](http://www.dfg.ca.gov)

EDMUND G. BROWN, JR., Governor  
CHARLTON H. BONHAM, Director



October 10, 2012

Dave Del Dotto  
1291 W. Zinfandel Lane  
St. Helena, CA 94574

Subject: Draft Lake or Streambed Alteration Agreement  
Notification No. 1600-2012-0012-R3  
Riparian Restoration and Culvert Replacement

Dear Mr. Del Dotto:

Enclosed is the final Streambed Alteration Agreement ("Agreement") for the Riparian Restoration and Culvert Replacement ("Project"). Before the Department may issue an Agreement, it must comply with the California Environmental Quality Act ("CEQA"). In this case, the Department, acting as a Lead agency, determined your project is exempt from CEQA and filed a notice of exemption ("NOE") on October 10, 2012.

Under CEQA, filing a NOE starts a 35-day period within which a party may challenge the filing agency's approval of the project. You may begin your project before the 35-day period expires if you have obtained all necessary local, state, and federal permits or other authorizations. However, if you elect to do so, it will be at your own risk.

If you have any questions regarding this matter, please contact Suzanne Gilmore, Environmental Scientist, at (707) 944-5536 or [sgilmore@dfg.ca.gov](mailto:sgilmore@dfg.ca.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "C. Weightman".

Craig J. Weightman  
Acting Environmental Program Manager  
Bay Delta Region

cc: Lieutenant Jones  
Warden Morton  
Suzanne Gilmore



**CALIFORNIA DEPARTMENT OF FISH AND GAME**

BAY DELTA REGION

7329 SILVERADO TRAIL

NAPA, CALIFORNIA 94558

(707) 944-5520

WWW.DFG.CA.GOV



**STREAMBED ALTERATION AGREEMENT**

NOTIFICATION NO. 1600-2012-0012-3

Unnamed tributary to Napa River

DAVE DEL DOTTO

RIPARIAN RESTORATION AND CULVERT REPLACEMENT PROJECT

This Streambed Alteration Agreement (Agreement) is entered into between the California Department of Fish and Game (DFG) and Dave Del Dotto (Permittee).

**RECITALS**

WHEREAS, pursuant to Fish and Game Code (FGC) section 1602, Permittee notified DFG on January 20, 2012 that Permittee intends to complete the project described herein.

WHEREAS, pursuant to FGC section 1603, DFG has determined that the project could substantially adversely affect existing fish or wildlife resources and has included measures in the Agreement necessary to protect those resources.

WHEREAS, Permittee has reviewed the Agreement and accepts its terms and conditions, including the measures to protect fish and wildlife resources.

NOW THEREFORE, Permittee agrees to complete the project in accordance with the Agreement

**PROJECT LOCATION**

The project is located at 7466 Highway 29, in the Town of Yountville, County of Napa, State of California, 94574; Assessors Parcel Number 031-120-026.

**PROJECT DESCRIPTION**

The project is limited to the removal of two culverts (25 foot length and 72 foot length), placement of three arched culverts, and native riparian enhancements on both banks of the stream channel. Following construction activities, riparian areas adjacent the stream channel will be planted with native grasses, shrubs and trees. All existing trees and other vegetation will remain.

## PROJECT IMPACTS

Existing fish or wildlife resources the project could substantially adversely affect include: foothill yellow legged frog (*Rana boylei*), Pacific chorus frog (*Pseudacris regilla*), central coast steelhead (*Oncorhynchus mykiss*), California newt (*Taricha torosa*) and northwestern pond turtle (*Emys marmorata*).

The adverse effects the project could have on the fish or wildlife resources identified above include:

Temporary impacts to bed, channel, or bank could occur due to the loss of bank stability during construction, increase of bank erosion during construction, and/or changes in composition of channel materials.

Permanent impacts to fish, wildlife, and their habitat could occur due to colonization by exotic plant or animal species. Temporary impacts to bed, channel, or bank and direct effect on fish, wildlife, and their habitat could occur during construction due to construction activities, equipment that can capture terrestrial organisms, disruption to nesting birds and other wildlife, direct take of terrestrial species, disturbance from project activity, and loss or impediment of terrestrial animal species travel routes due to temporary structures (e.g., survey tape, sandbags, erosion protection materials etc.).

## MEASURES TO PROTECT FISH AND WILDLIFE RESOURCES

### 1. Administrative Measures

Permittee shall meet each administrative requirement described below.

- 1.1 Documentation at Project Site. Permittee shall make the Agreement, any extensions and amendments to the Agreement, and all related notification materials and California Environmental Quality Act (CEQA) documents, readily available at the project site at all times and shall be presented to DFG personnel, or personnel from another state, federal, or local agency upon request.
- 1.2 Providing Agreement to Persons at Project Site. Permittee shall provide copies of the Agreement and any extensions and amendments to the Agreement to all persons who will be working on the project at the project site on behalf of Permittee, including but not limited to contractors, subcontractors, inspectors, and monitors.
- 1.3 Notification of Conflicting Provisions. Permittee shall notify DFG if Permittee determines or learns that a provision in the Agreement might conflict with a provision imposed on the project by another local, state, or federal agency. In that event, DFG shall contact Permittee to resolve any conflict.

- 1.4 Project Site Entry. Permittee agrees that DFG personnel may enter the project site at any time to verify compliance with the Agreement.

## **2. Avoidance and Minimization Measures**

To avoid or minimize adverse impacts to fish and wildlife resources identified above, Permittee shall implement each measure listed below.

- 2.1 Work within the stream/riparian corridor shall be confined to the period June 15 to October 15. Revegetation work is not confined to this time period.
- 2.2 Work shall be conducted when the stream is dry. No activities shall occur in wetted areas (including but not limited to ponded, flowing, or wetland areas).
- 2.3 No phase of the project may be started if that phase and its associated erosion control measures cannot be completed prior to the onset of a storm event if that construction phase may cause the introduction of sediments into the stream. Seventy-two-hour weather forecasts from the National Weather Service shall be consulted prior to start up of any phase of the project that may result in sediment runoff to the stream.
- 2.4 The Permittee shall use temporary construction fencing to identify the agreed limits of disturbance within the stream. All temporary fences, barriers, and/or flagging shall be completely removed from the project site and properly disposed of upon completion of project activities.
- 2.5 Erosion control measures shall be utilized throughout all phases of operation where sediment runoff from exposed slopes threatens to enter waters of the State. At no time shall silt laden runoff be allowed to enter the stream or directed to where it may enter the stream. Silt control structures shall be monitored for effectiveness and shall be repaired or replaced as needed.
- 2.6 Staging and storage areas for equipment, materials, fuels, lubricants and solvents, shall be located outside of the stream channel and banks. Stationary equipment such as motors, pumps, generators, compressors and welders, located within or adjacent to the stream shall be positioned over drip pans. Any equipment or vehicles driven and/or operated within or adjacent to the stream must be checked and maintained daily, to prevent leaks of materials that if introduced



to water could be deleterious to aquatic life. Vehicles must be moved away from the stream prior to refueling and lubrication.

- 2.7 Spoil shall not be placed on the stream side slope, or where it could enter the stream. Spoil shall not be placed over vegetation.
- 2.8 Poured concrete shall be excluded from the wetted channel for a period of 30 days after it is poured. During that time the poured concrete shall be kept moist, and runoff from the concrete shall not be allowed to enter the stream channel. Commercial sealants may be applied to the poured concrete surface. If sealant is used, water shall be excluded from the site until the sealant is dry.
- 2.9 All invasive species shall be removed from the project area.
- 2.10 All removed debris shall be disposed of according to State and local laws and ordinances.
- 2.11 All exposed/disturbed areas shall be planted with native species according to the Swale Revegetation Scheme dated 1/23/2012. All other areas of disturbed soil which drain toward the stream channel shall be seeded with erosion control grass seeds. Revegetation shall be completed as soon as possible after construction activities. Seeding placed after October 15 must be covered with broadcast straw, jute netting, coconut fiber blanket or similar erosion control blanket.
- 2.12 To ensure a successful revegetation effort, all plants shall be monitored and maintained as necessary for five years. All planting shall have a minimum of 80% survival at the end of 5 years and shall attain 70% cover after three years and 75% coverage after 5 years. If the survival and/or cover requirements are not meeting these goals, the Permittee is responsible for replacement planting, additional watering, weeding, invasive exotic eradication, or any other practice, to achieve these requirements. Replacement plants shall be monitored with the same survival and growth requirements for five years after planting.
- 2.13 If construction, grading, or other project-related improvements are scheduled during the nesting season of protected raptors and migratory birds (February 15 to August 31), a focused survey for active nests of such birds shall be conducted by a qualified biologist (as determined by a combination of academic training and professional experience in biological sciences and related resource management activities) within 15 days prior to the beginning to project-related activities. The results of the survey shall be faxed to

(707) 944-5595. Refer to the appropriate Lake and Streambed Alteration Notification Number when submitting the survey to the Department. If active nests are found, the Permittee shall consult with the Department and the United States Fish & Wildlife Service (USF&WS) regarding appropriate action to comply with the Migratory Bird Treaty Act and the Fish & Game Code of California. If a lapse in project-related work of 15 days or longer occurs, another focused survey and if required, consultation with the Department and USF&WS, will be required before project work can be reinitiated.

- 2.14 If any sensitive species are observed during project activities, the Permittee shall submit California Natural Diversity Data Base (CNDDDB) forms to the CNDDDB for all preconstruction survey data within five working days of the sightings, and provide DFG Region 3 with copies of the CNDDDB forms and survey maps.
- 2.15 All construction debris and associated materials shall be removed from the work site upon completion of this project.

### **3. Reporting Measures**

Permittee shall meet each reporting requirement described below.

- 3.1 Prior to commencement of work within the stream zone, the Permittee shall photograph the project site. Upon completion of work activities, the Permittee shall photograph the project site. Labeled copies of photographs shall be sent to the Department of Fish and Game within 60 days of completion of the project. Notification shall be sent to the Department at 7329 Silverado Trail, Napa, CA 94558. Refer to Notification 1600-2012-0012-3 when notifying the Department.

### **CONTACT INFORMATION**

Any communication that Permittee or DFG submits to the other shall be in writing and any communication or documentation shall be delivered to the address below by U.S. mail, fax, or email, or to such other address as Permittee or DFG specifies by written notice to the other.

To Permittee:

Dave Del Dotto  
Yountville Vineyards LLC  
1291 W. Zinfandel Lane  
St. Helena, CA 94574  
(707) 963-6032  
Dave@deldottovineyards.com

To DFG:

Department of Fish and Game  
Bay Delta Region  
7329 Silverado Trail  
Napa, California 94558  
Attn: Lake and Streambed Alteration Program  
Notification #1600-2012-0012-R3  
Fax (707) 944-5553  
sgilmore@dfg.ca.gov

**LIABILITY**

Permittee shall be solely liable for any violations of the Agreement, whether committed by Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents or contractors and subcontractors, to complete the project or any activity related to it that the Agreement authorizes.

This Agreement does not constitute DFG's endorsement of, or require Permittee to proceed with the project. The decision to proceed with the project is Permittee's alone.

**SUSPENSION AND REVOCATION**

DFG may suspend or revoke in its entirety the Agreement if it determines that Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, is not in compliance with the Agreement.

Before DFG suspends or revokes the Agreement, it shall provide Permittee written notice by certified or registered mail that it intends to suspend or revoke. The notice shall state the reason(s) for the proposed suspension or revocation, provide Permittee an opportunity to correct any deficiency before DFG suspends or revokes the Agreement, and include instructions to Permittee, if necessary, including but not limited to a directive to immediately cease the specific activity or activities that caused DFG to issue the notice.



## **ENFORCEMENT**

Nothing in the Agreement precludes DFG from pursuing an enforcement action against Permittee instead of, or in addition to, suspending or revoking the Agreement.

Nothing in the Agreement limits or otherwise affects DFG's enforcement authority or that of its enforcement personnel.

## **OTHER LEGAL OBLIGATIONS**

This Agreement does not relieve Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, from obtaining any other permits or authorizations that might be required under other federal, state, or local laws or regulations before beginning the project or an activity related to it.

This Agreement does not relieve Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, from complying with other applicable statutes in the FGC including, but not limited to, FGC sections 2050 et seq. (threatened and endangered species), 3503 (bird nests and eggs), 3503.5 (birds of prey), 5650 (water pollution), 5652 (refuse disposal into water), 5901 (fish passage), 5937 (sufficient water for fish), and 5948 (obstruction of stream).

Nothing in the Agreement authorizes Permittee or any person acting on behalf of Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, to trespass.

## **AMENDMENT**

DFG may amend the Agreement at any time during its term if DFG determines the amendment is necessary to protect an existing fish or wildlife resource.

Permittee may amend the Agreement at any time during its term, provided the amendment is mutually agreed to in writing by DFG and Permittee. To request an amendment, Permittee shall submit to DFG a completed DFG "Request to Amend Lake or Streambed Alteration" form and include with the completed form payment of the corresponding amendment fee identified in DFG's current fee schedule (see Cal. Code Regs., tit. 14, § 699.5).

## **TRANSFER AND ASSIGNMENT**

This Agreement may not be transferred or assigned to another entity, and any purported transfer or assignment of the Agreement to another entity shall not be valid or effective,

unless the transfer or assignment is requested by Permittee in writing, as specified below, and thereafter DFG approves the transfer or assignment in writing.

The transfer or assignment of the Agreement to another entity shall constitute a minor amendment, and therefore to request a transfer or assignment, Permittee shall submit to DFG a completed DFG "Request to Amend Lake or Streambed Alteration" form and include with the completed form payment of the minor amendment fee identified in DFG's current fee schedule (see Cal. Code Regs., tit. 14, § 699.5).

## **EXTENSIONS**

In accordance with FGC section 1605(b), Permittee may request one extension of the Agreement, provided the request is made prior to the expiration of the Agreement's term. To request an extension, Permittee shall submit to DFG a completed DFG "Request to Extend Lake or Streambed Alteration" form and include with the completed form payment of the extension fee identified in DFG's current fee schedule (see Cal. Code Regs., tit. 14, § 699.5). DFG shall process the extension request in accordance with FGC 1605(b) through (e).

If Permittee fails to submit a request to extend the Agreement prior to its expiration, Permittee must submit a new notification and notification fee before beginning or continuing the project the Agreement covers (Fish & G. Code, § 1605, subd. (f)).

## **EFFECTIVE DATE**

The Agreement becomes effective on the date of DFG's signature, which shall be: 1) after Permittee's signature; 2) after DFG complies with all applicable requirements under the California Environmental Quality Act (CEQA); and 3) after payment of the applicable FGC section 711.4 filing fee listed at [http://www.dfg.ca.gov/habcon/ceqa/ceqa\\_changes.html](http://www.dfg.ca.gov/habcon/ceqa/ceqa_changes.html).

## **TERM**

This Agreement shall expire on December 31, 2014, unless it is terminated or extended before then. All provisions in the Agreement shall remain in force throughout its term. Permittee shall remain responsible for implementing any provisions specified herein to protect fish and wildlife resources after the Agreement expires or is terminated, as FGC section 1605(a)(2) requires.

## **AUTHORITY**

If the person signing the Agreement (signatory) is doing so as a representative of Permittee, the signatory hereby acknowledges that he or she is doing so on Permittee's

behalf and represents and warrants that he or she has the authority to legally bind Permittee to the provisions herein.

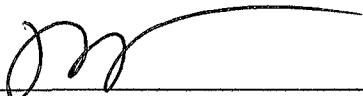
### AUTHORIZATION

This Agreement authorizes only the project described herein. If Permittee begins or completes a project different from the project the Agreement authorizes, Permittee may be subject to civil or criminal prosecution for failing to notify DFG in accordance with FGC section 1602.

### CONCURRENCE

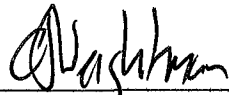
The undersigned accepts and agrees to comply with all provisions contained herein.

### FOR PERMITTEE

  
\_\_\_\_\_  
Dave Del Dotto

9-10-12  
\_\_\_\_\_  
Date

### FOR DEPARTMENT OF FISH AND GAME

  
\_\_\_\_\_  
Craig Weightman  
Acting Program Manager

10/10/12  
\_\_\_\_\_  
Date

Prepared by: S. Gilmore  
Environmental Scientist

Date Prepared: April 10, 2012



FOR DEPARTMENT USE ONLY				
Date Received	Amount Received	Amount Due	Date Complete	Notification No.
1/20/12	\$ 560.25	\$		1600-2012-0012-3



Yountville Vineyards LLC  
CK# 1696

STATE OF CALIFORNIA  
DEPARTMENT OF FISH AND GAME

S. Gilmore  
LT Jones  
WDN Shelton



## NOTIFICATION OF LAKE OR STREAMBED ALTERATION

Complete EACH field, unless otherwise indicated, following the enclosed instructions and submit ALL required enclosures. Attach additional pages, if necessary.

### 1. APPLICANT PROPOSING PROJECT

**Fish & Game**

Name	Guadalupe s. Chavarria			JAN 20 2012
Business/Agency	Guadalupe s Chavarria			Yountville
Street Address	p.o. box 1782			
City, State, Zip	Windsor Ca 95492			
Telephone	(707) 799-5432	Fax	(707) 838-9161	
Email	gschavarria1@yahoo.com			

### 2. CONTACT PERSON (Complete only if different from applicant)

Name	same as applicant			
Street Address				
City, State, Zip				
Telephone		Fax		
Email				

### 3. PROPERTY OWNER (Complete only if different from applicant)

Name	Yountville Vineyards LLC			
Street Address	1291 Zinfandel Ln			
City, State, Zip	St Helena Ca 94574			
Telephone	(707) 963-2134	Fax	(707) 963-3531	
Email	dave@deldottovineyards.com			

### 4. PROJECT NAME AND AGREEMENT TERM

A. Project Name				
B. Agreement Term Requested		<input checked="" type="checkbox"/> Regular (5 years or less) <input type="checkbox"/> Long-term (greater than 5 years)		
C. Project Term		D. Seasonal Work Period		E. Number of Work Days
Beginning (year)	Ending (year)	Start Date (month/day)	End Date (month/day)	
2012	2014	06/01	10/01	30.00

# NOTIFICATION OF LAKE OR STREAMBED ALTERATION

## 5. AGREEMENT TYPE

Check the applicable box. If box B, C, D, or E is checked, complete the specified attachment.

A.	<input checked="" type="checkbox"/> Standard (Most construction projects, excluding the categories listed below)
B.	<input type="checkbox"/> Gravel/Sand/Rock Extraction (Attachment A) <span style="float: right;">Mine I.D. Number: _____</span>
C.	<input type="checkbox"/> Timber Harvesting (Attachment B) <span style="float: right;">THP Number: _____</span>
D.	<input type="checkbox"/> Water Diversion/Extraction/Impoundment (Attachment C) <span style="float: right;">SWRCB Number: _____</span>
E.	<input type="checkbox"/> Routine Maintenance (Attachment D)
F.	<input type="checkbox"/> DFG Fisheries Restoration Grant Program (FRGP) <span style="float: right;">FRGP Contract Number: _____</span>
G.	<input type="checkbox"/> Master
H.	<input type="checkbox"/> Master Timber Harvesting

## 6. FEES

Please see the current fee schedule to determine the appropriate notification fee. Itemize each project's estimated cost and corresponding fee. **Note: The Department may not process this notification until the correct fee has been received.**

A. Project		B. Project Cost	C. Project Fee
1	swale revegetation, removal of existing culverts. install 3 arch culv bridges	\$22,500.00	\$560.25
2			
3			
4			
5			
		D. Base Fee (if applicable)	
		E. TOTAL FEE ENCLOSED	\$560.25

## 7. PRIOR NOTIFICATION OR ORDER

A. Has a notification previously been submitted to, or a Lake or Streambed Alteration Agreement previously been issued by, the Department for the project described in this notification?

☐ Yes (Provide the information below) ☒ No

Applicant: \_\_\_\_\_ Notification Number: \_\_\_\_\_ Date: \_\_\_\_\_

B. Is this notification being submitted in response to an order, notice, or other directive ("order") by a court or administrative agency (including the Department)?

☒ No ☐ Yes (Enclose a copy of the order, notice, or other directive. If the directive is not in writing, identify the person who directed the applicant to submit this notification and the agency he or she represents, and describe the circumstances relating to the order.)

☐ Continued on additional page(s)

# NOTIFICATION OF LAKE OR STREAMBED ALTERATION

## 8. PROJECT LOCATION

A. Address or description of project location.

*(Include a map that marks the location of the project with a reference to the nearest city or town, and provide driving directions from a major road or highway)*

7466 hwy 29 Yountville CA

The project is a future winery that has been approved by the county of Napa. The location is the west side of the butte north of Yountville CA. The project is accessed from Hwy 29. It is just south of the intersection of Yount Mill road and hwy 29. The main winery will be located on the side of the hill that has both native grass/oak lands and an olive orchard. The parking lot will be located on the flat area that has an existing vineyard with a residence. At the base of the hill is a swale that runs from south to north into the Napa River. The swale drains approximately 128 acres. The swale the length of the swale impacted is 365 feet. The current riparian areas on both sides of the this segment of the swale are bare with the exception of the olive tree orchard.

☐ Continued on additional page(s)

B. River, stream, or lake affected by the project. Unnamed

C. What water body is the river, stream, or lake tributary to? Napa River

D. Is the river or stream segment affected by the project listed in the state or federal Wild and Scenic Rivers Acts?

☐ Yes

☒ No

☐ Unknown

E. County Napa

F. USGS 7.5 Minute Quad Map Name

Rutherford

G. Township

7n

H. Range

5w

I. Section

36

J. ¼ Section

ne

☐ Continued on additional page(s)

K. Meridian (check one)

☐ Humboldt

☒ Mt. Diablo

☐ San Bernardino

L. Assessor's Parcel Number(s)

031-120-026

☐ Continued on additional page(s)

M. Coordinates (If available, provide at least latitude/longitude or UTM coordinates and check appropriate boxes)

Latitude/Longitude	Latitude: 122 23 07	Longitude: 38 25 11		
	<input checked="" type="checkbox"/> Degrees/Minutes/Seconds <input type="checkbox"/> Decimal Degrees <input type="checkbox"/> Decimal Minutes			
UTM	Easting:	Northing:	<input type="checkbox"/> Zone 10 <input type="checkbox"/> Zone 11	
Datum used for Latitude/Longitude or UTM		<input checked="" type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83 or WGS 84		



# NOTIFICATION OF LAKE OR STREAMBED ALTERATION

## 9. PROJECT CATEGORY AND WORK TYPE *(Check each box that applies)*

PROJECT CATEGORY	NEW CONSTRUCTION	REPLACE EXISTING STRUCTURE	REPAIR/MAINTAIN EXISTING STRUCTURE
Bank stabilization – bioengineering/recontouring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank stabilization – rip-rap/retaining wall/gabion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boat dock/pier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boat ramp	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bridge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Channel clearing/vegetation management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Culvert	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Debris basin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diversion structure – weir or pump intake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filling of wetland, river, stream, or lake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Geotechnical survey	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Habitat enhancement – revegetation/mitigation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Levee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Low water crossing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Road/trail	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sediment removal – pond, stream, or marina	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Storm drain outfall structure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporary stream crossing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility crossing : Horizontal Directional Drilling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jack/bore	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Open trench	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other (specify):</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## NOTIFICATION OF LAKE OR STREAMBED ALTERATION

### 10. PROJECT DESCRIPTION

A. Describe the project in detail. Photographs of the project location and immediate surrounding area should be included.

- Include any structures (e.g., rip-rap, culverts, or channel clearing) that will be placed, built, or completed in or near the stream, river, or lake.
- Specify the type and volume of materials that will be used.
- If water will be diverted or drafted, specify the purpose or use.

Enclose diagrams, drawings, plans, and/or maps that provide all of the following: site specific construction details; the dimensions of each structure and/or extent of each activity in the bed, channel, bank or floodplain; an overview of the entire project area (i.e., "bird's-eye view") showing the location of each structure and/or activity, significant area features, and where the equipment/machinery will enter and exit the project area.

\* The main winery will be located on the side of the hill that has both native grass/oak lands and an olive orchard. The surrounding areas North wooded grassland with a residence and Yount Mill Road. South wooded area with a residence. West existing vineyard with a residence. East wooded grassland on a slope

\* The parking lot will be located on the flat area that has an existing vineyard with a residence. At the base of the hill is a swale that runs from south to north into the Napa River. The swale drains approximately 128 acres. The swale the length of the swale impacted is 365 feet. The current riparian areas on both sides of the this segment of the swale are bare with the exception of the olive tree orchard. There are two culverts in the swale 25' and 72' in length. These culverts will be removed and replaced with 3 arch culvert bridges installed on the banks of existing swale.

\* Earth movement within the swale is estimated of less than 50 cy yards. Swale sides will be set at no less than 2:1. Future bridge footings will be installed outside of the banks of the swale.

\* no water will diverted since the work will be done during the dry season (no water in the creek).

reference: Aerial photo, revegetation plan and description.

☐ Continued on additional page(s)

B. Specify the equipment and machinery that will be used to complete the project.

Hand augers, hand spray pump, crane, backhoe, trencher, tractor and pick trucks

☐ Continued on additional page(s)

C. Will water be present during the proposed work period (specified in box 4.D) in the stream, river, or lake (specified in box 8.B).

☐ Yes ☒ No (Skip to box 11)

D. Will the proposed project require work in the wetted portion of the channel?

☐ Yes (Enclose a plan to divert water around work site)  
☐ No

# NOTIFICATION OF LAKE OR STREAMBED ALTERATION

## 11. PROJECT IMPACTS

A. Describe impacts to the bed, channel, and bank of the river, stream, or lake, and the associated riparian habitat. Specify the dimensions of the modifications in length (linear feet) and area (square feet or acres) and the type and volume of material (cubic yards) that will be moved, displaced, or otherwise disturbed, if applicable.

The removal of about 92 lineal feet of culvert will be temporarily impacted. The sides of the swale will be cut to a 2:1 and replanted. 3 new arch culvert bridges will installed on the banks. This will involve footing excavation, forming, pouring concrete and erosion control

Revegetation will involve removing himalayan blackberries by spraying and installation. On the banks and floodplain trees, shrubs and ground cover will be planted

☐ Continued on additional page(s)

B. Will the project affect any vegetation? ☒ Yes (Complete the tables below) ☐ No

Vegetation Type	Temporary Impact	Permanent Impact
Himalayan blackberry	Linear feet: 280 Total area: 2,000	Linear feet: 0 Total area:
	Linear feet: Total area:	Linear feet: Total area:

Tree Species	Number of Trees to be Removed	Trunk Diameter (range)
n/a		

☐ Continued on additional page(s)

C. Are any special status animal or plant species, or habitat that could support such species, known to be present on or near the project site?

☐ Yes (List each species and/or describe the habitat below) ☒ No ☐ Unknown

☐ Continued on additional page(s)

D. Identify the source(s) of information that supports a "yes" or "no" answer above in Box 11.C.

data search for quad map rutherford. cnddb - for species  
db for lands for preserves

☐ Continued on additional page(s)

E. Has a biological study been completed for the project site?

☐ Yes (Enclose the biological study) ☒ No

*Note: A biological assessment or study may be required to evaluate potential project impacts on biological resources.*

F. Has a hydrological study been completed for the project or project site?

☒ Yes (Enclose the hydrological study) ☐ No

*Note: A hydrological study or other information on site hydraulics (e.g., flows, channel characteristics, and/or flood recurrence intervals) may be required to evaluate potential project impacts on hydrology.*

## NOTIFICATION OF LAKE OR STREAMBED ALTERATION

### 12. MEASURES TO PROTECT FISH, WILDLIFE, AND PLANT RESOURCES

A. Describe the techniques that will be used to prevent sediment from entering watercourses during and after construction.

1. Removal of blackberries shall be done during the wet season
2. Existing trees on the south side shall be protected with tree fencing
3. Removal of culverts shall be done during the dry summer months
4. Channel shaping shall be done during the summer months
5. Installation of culverts shall be installed during the summer months

☐ Continued on additional page(s)

B. Describe project avoidance and/or minimization measures to protect fish, wildlife, and plant resources.

Installation of erosion control measures shall be used for all disturbed soils or controlled irrigation shall be used to propagate trees, shrubs and ground cover.

all incidental debris that falls into the creek shall be removed by hand

☐ Continued on additional page(s)

C. Describe any project mitigation and/or compensation measures to protect fish, wildlife, and plant resources.

Mitigation for installing three arch bridge culverts shall be as follows

1. Remove 92 lf of existing culvert out of the existing channel
2. Designate 15' and 25' set backs along the swale project area
3. Plant trees, shrubs and ground cover within the proposed set backs.

area    setback

EAST 4,766 sf    15

WEST 7,247 sf    25

-----  
total    12 013 sf

☐ Continued on additional page(s)

### 13. PERMITS

List any local, state, and federal permits required for the project and check the corresponding box(es). Enclose a copy of each permit that has been issued.

- |  |   |  |
|--|---|--|
| A. _____ use permit  | <input type="checkbox"/> Applied            | <input checked="" type="checkbox"/> Issued |
| B. _____ arch bridge   | <input checked="" type="checkbox"/> Applied | <input type="checkbox"/> Issued            |
| C. _____   | <input type="checkbox"/> Applied            | <input type="checkbox"/> Issued            |
| D. Unknown whether <input type="checkbox"/> local, <input type="checkbox"/> state, or <input type="checkbox"/> federal permit is needed for the project. (Check each box that applies) |   |  |

☐ Continued on additional page(s)

# NOTIFICATION OF LAKE OR STREAMBED ALTERATION

## 14. ENVIRONMENTAL REVIEW

A. Has a draft or final document been prepared for the project pursuant to the California Environmental Quality Act (CEQA), National Environmental Protection Act (NEPA), California Endangered Species Act (CESA) and/or federal Endangered Species Act (ESA)?			
<input checked="" type="checkbox"/> Yes (Check the box for each CEQA, NEPA, CESA, and ESA document that has been prepared and enclose a copy of each) <input type="checkbox"/> No (Check the box for each CEQA, NEPA, CESA, and ESA document listed below that will be or is being prepared)			
<input type="checkbox"/> Notice of Exemption	<input type="checkbox"/> Mitigated Negative Declaration	<input type="checkbox"/> NEPA document (type): _____	
<input type="checkbox"/> Initial Study	<input type="checkbox"/> Environmental Impact Report	<input type="checkbox"/> CESA document (type): _____	
<input checked="" type="checkbox"/> Negative Declaration	<input type="checkbox"/> Notice of Determination (Enclose)	<input type="checkbox"/> ESA document (type): _____	
<input type="checkbox"/> THP/ NTMP	<input type="checkbox"/> Mitigation, Monitoring, Reporting Plan		
B. State Clearinghouse Number (if applicable)			
C. Has a CEQA lead agency been determined?		<input checked="" type="checkbox"/> Yes (Complete boxes D, E, and F) <input type="checkbox"/> No (Skip to box 14.G)	
D. CEQA Lead Agency	napa county		
E. Contact Person	john mcdowel dpty planning dir	F. Telephone Number	(707) 253-4417
G. If the project described in this notification is part of a larger project or plan, briefly describe that larger project or plan.			
<p>The project is a future winery that has been approved by the county of Napa.          The main winery will be located on the side of the hill that has both native grass/oak lands and an olive orchard.          The parking lot will be located on the flat area that has an existing vineyard with a residence.</p> <p>refer to the project site plan as shown on the revegetation plan</p> <p style="text-align: right;"><input type="checkbox"/> Continued on additional page(s)</p>			
H. Has an environmental filing fee (Fish and Game Code section 711.4) been paid?			
<input type="checkbox"/> Yes (Enclose proof of payment) <input checked="" type="checkbox"/> No (Briefly explain below the reason a filing fee has not been paid)			
The initial ceqa document did not require a fee for fish and game			
<i>Note: If a filing fee is required, the Department may not finalize a Lake or Streambed Alteration Agreement until the filing fee is paid.</i>			

## 15. SITE INSPECTION

Check one box only.	
<input type="checkbox"/> In the event the Department determines that a site inspection is necessary, I hereby authorize a Department representative to enter the property where the project described in this notification will take place at any reasonable time, and hereby certify that I am authorized to grant the Department such entry.	
<input checked="" type="checkbox"/> I request the Department to first contact (insert name) <u>Guadalupe S Chavarria, Pe</u> at (insert telephone number) <u>(707) 799-5432</u> to schedule a date and time to enter the property where the project described in this notification will take place. I understand that this may delay the Department's determination as to whether a Lake or Streambed Alteration Agreement is required and/or the Department's issuance of a draft agreement pursuant to this notification.	



## NOTIFICATION OF LAKE OR STREAMBED ALTERATION

### 16. DIGITAL FORMAT

Is any of the information included as part of the notification available in digital format (i.e., CD, DVD, etc.)?

☒ Yes (Please enclose the information via digital media with the completed notification form)

☐ No





### 17. SIGNATURE

I hereby certify that to the best of my knowledge the information in this notification is true and correct and that I am authorized to sign this notification as, or on behalf of, the applicant. I understand that if any information in this notification is found to be untrue or incorrect, the Department may suspend processing this notification or suspend or revoke any draft or final Lake or Streambed Alteration Agreement issued pursuant to this notification. I understand also that if any information in this notification is found to be untrue or incorrect and the project described in this notification has already begun, I and/or the applicant may be subject to civil or criminal prosecution. I understand that this notification applies only to the project(s) described herein and that I and/or the applicant may be subject to civil or criminal prosecution for undertaking any project not described herein unless the Department has been separately notified of that project in accordance with Fish and Game Code section 1602 or 1611.

Guadalupe S. Chavarría      1/20/2012  
Signature of Applicant or Applicant's Authorized Representative      Date

Guadalupe S. Chavarría  
Print Name



Legend	common name
	SHRUBS
	OAK
	BUCKEYE
	GROUND COVER

[illegible]

1. Nucleotide Backbone		Common Sugars		Amount
Source Name				mg
<hr/>				
Nucleotide				
2. Lipid	Cholesterol	Cholesterol	Human	100mg
3. Carbohydrate	Glucose	Glucose	Human	100mg
4. Amino Acids	Alanine	Alanine	Human	100mg
5. Protein	Albumin	Albumin	Human	100mg
6. Enzyme	Amylase	Amylase	Human	100mg
7. Hormone	Insulin	Insulin	Human	100mg
8. Vitamin	Vitamin C	Vitamin C	Human	100mg
9. Mineral	Calcium	Calcium	Human	100mg
10. Electrolyte	Sodium	Sodium	Human	100mg
11. Antioxidant	Vitamin E	Vitamin E	Human	100mg
12. Fiber	Fiber	Fiber	Human	100mg
13. Fat	Fat	Fat	Human	100mg
14. Water	Water	Water	Human	100mg
15. Other	Other	Other	Human	100mg
16. Total	Total	Total	Total	1000mg
<hr/>				
Lipid				
17. Cholesterol	Cholesterol	Cholesterol	Human	100mg
18. Triglyceride	Triglyceride	Triglyceride	Human	100mg
19. Phospholipid	Phospholipid	Phospholipid	Human	100mg
20. Sphingolipid	Sphingolipid	Sphingolipid	Human	100mg
21. Glycolipid	Glycolipid	Glycolipid	Human	100mg
22. Steroid	Steroid	Steroid	Human	100mg
23. Vitamin	Vitamin	Vitamin	Human	100mg
24. Mineral	Mineral	Mineral	Human	100mg
25. Electrolyte	Electrolyte	Electrolyte	Human	100mg
26. Antioxidant	Antioxidant	Antioxidant	Human	100mg
27. Fiber	Fiber	Fiber	Human	100mg
28. Fat	Fat	Fat	Human	100mg
29. Water	Water	Water	Human	100mg
30. Other	Other	Other	Human	100mg
31. Total	Total	Total	Total	1000mg
<hr/>				
Carbohydrate				
32. Glucose	Glucose	Glucose	Human	100mg
33. Fructose	Fructose	Fructose	Human	100mg
34. Sucrose	Sucrose	Sucrose	Human	100mg
35. Lactose	Lactose	Lactose	Human	100mg
36. Maltose	Maltose	Maltose	Human	100mg
37. Dextran	Dextran	Dextran	Human	100mg
38. Inulin	Inulin	Inulin	Human	100mg
39. Cellulose	Cellulose	Cellulose	Human	100mg
40. Pectin	Pectin	Pectin	Human	100mg
41. Hemicellulose	Hemicellulose	Hemicellulose	Human	100mg
42. Lignin	Lignin	Lignin	Human	100mg
43. Vitamin	Vitamin	Vitamin	Human	100mg
44. Mineral	Mineral	Mineral	Human	100mg
45. Electrolyte	Electrolyte	Electrolyte	Human	100mg
46. Antioxidant	Antioxidant	Antioxidant	Human	100mg
47. Fiber	Fiber	Fiber	Human	100mg
48. Fat	Fat	Fat	Human	100mg
49. Water	Water	Water	Human	100mg
50. Other	Other	Other	Human	100mg
51. Total	Total	Total	Total	1000mg
<hr/>				
Amino Acids				
52. Alanine	Alanine	Alanine	Human	100mg
53. Aspartic Acid	Aspartic Acid	Aspartic Acid	Human	100mg
54. Glutamic Acid	Glutamic Acid	Glutamic Acid	Human	100mg
55. Lysine	Lysine	Lysine	Human	100mg
56. Methionine	Methionine	Methionine	Human	100mg
57. Phenylalanine	Phenylalanine	Phenylalanine	Human	100mg
58. Proline	Proline	Proline	Human	100mg
59. Serine	Serine	Serine	Human	100mg
60. Threonine	Threonine	Threonine	Human	100mg
61. Valine	Valine	Valine	Human	100mg
62. Vitamin	Vitamin	Vitamin	Human	100mg
63. Mineral	Mineral	Mineral	Human	100mg
64. Electrolyte	Electrolyte	Electrolyte	Human	100mg
65. Antioxidant	Antioxidant	Antioxidant	Human	100mg
66. Fiber	Fiber	Fiber	Human	100mg
67. Fat	Fat	Fat	Human	100mg
68. Water	Water	Water	Human	100mg
69. Other	Other	Other	Human	100mg
70. Total	Total	Total	Total	1000mg
<hr/>				
Protein				
71. Albumin	Albumin	Albumin	Human	100mg
72. Globulin	Globulin	Globulin	Human	100mg
73. Fibrinogen	Fibrinogen	Fibrinogen	Human	100mg
74. Immunoglobulin	Immunoglobulin	Immunoglobulin	Human	100mg
75. Transferrin	Transferrin	Transferrin	Human	100mg
76. Vitronectin	Vitronectin	Vitronectin	Human	100mg
77. Fibronectin	Fibronectin	Fibronectin	Human	100mg
78. Haptoglobin	Haptoglobin	Haptoglobin	Human	100mg
79. Complement	Complement	Complement	Human	100mg
80. Vitamin	Vitamin	Vitamin	Human	100mg
81. Mineral	Mineral	Mineral	Human	100mg
82. Electrolyte	Electrolyte	Electrolyte	Human	100mg
83. Antioxidant	Antioxidant	Antioxidant	Human	100mg
84. Fiber	Fiber	Fiber	Human	100mg
85. Fat	Fat	Fat	Human	100mg
86. Water	Water	Water	Human	100mg
87. Other	Other	Other	Human	100mg
88. Total	Total	Total	Total	1000mg
<hr/>				
Hormone				
89. Insulin	Insulin	Insulin	Human	100mg
90. Glucagon	Glucagon	Glucagon	Human	100mg
91. Somatostatin	Somatostatin	Somatostatin	Human	100mg
92. Growth Hormone	Growth Hormone	Growth Hormone	Human	100mg
93. Prolactin	Prolactin	Prolactin	Human	100mg
94. Thyroid Stimulating Hormone	Thyroid Stimulating Hormone	Thyroid Stimulating Hormone	Human	100mg
95. Adrenocorticotropic Hormone	Adrenocorticotropic Hormone	Adrenocorticotropic Hormone	Human	100mg
96. Parathyroid Hormone	Parathyroid Hormone	Parathyroid Hormone	Human	100mg
97. Vitamin	Vitamin	Vitamin	Human	100mg
98. Mineral	Mineral	Mineral	Human	100mg
99. Electrolyte	Electrolyte	Electrolyte	Human	100mg
100. Antioxidant	Antioxidant	Antioxidant	Human	100mg
101. Fiber	Fiber	Fiber	Human	100mg
102. Fat	Fat	Fat	Human	100mg
103. Water	Water	Water	Human	100mg
104. Other	Other	Other	Human	100mg
105. Total	Total	Total	Total	1000mg



PROPOSED ARCH CULVER X-ING (3 TIMES)

