

FOR DEPARTMENT USE ONLY				
Date Received	Amount Received	Amount Due	Date Complete	Notification No.
	\$	\$		



STATE OF CALIFORNIA
DEPARTMENT OF FISH AND WILDLIFE
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

Name	Travis Bowen		
Business/Agency			
Street Address	P.O. Box 236		
City, State, Zip	Mad River, CA 95552		
Telephone	707-726-2905	Fax	
Email			

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

Name	Prairie Moore		
Street Address	1434 3rd street		
City, State, Zip	Eureka, CA, 95501		
Telephone	707-442-1735	Fax	707-442-8823
Email	pmoore@nrmcorp.com		

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

Name			
Street Address			
City, State, Zip			
Telephone		Fax	
Email			

4. PROJECT NAME AND AGREEMENT TERM

A. Project Name		Travis Bowen water diversion		
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)	
2016	2021	November 1	May 14	180

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5. AGREEMENT TYPE

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

A.	<input type="checkbox"/> Standard (Most construction projects, excluding the categories listed below)	
B.	<input type="checkbox"/> Gravel/Sand/Rock Extraction (Attachment A)	Mine I.D. Number: _____
C.	<input type="checkbox"/> Timber Harvesting (Attachment B)	THP Number: _____
D.	<input checked="" type="checkbox"/> Water Diversion/Extraction/Impoundment (Attachment C)	SWRCB Number: _____
E.	<input type="checkbox"/> Routine Maintenance (Attachment D)	
F.	<input type="checkbox"/> CDFW Fisheries Restoration Grant Program (FRGP)	FRGP Contract Number: _____
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	Water diversion	<\$5,000	\$245.50
2			
3			
4			
5			
		D. Base Fee (if applicable)	
		E. TOTAL FEE ENCLOSED	\$245.50

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)

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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)

The project location is approximately 2 miles East of Dinsmore adjacent to Hwy 36 in the SE 1/4 Section 11, T1N, R5E, H.B.&M. The site is between the Van Duzen River and Hwy 36. See the attached map.

☐ Continued on additional page(s)

B. River, stream, or lake affected by the project. Van Duzen River

C. What water body is the river, stream, or lake tributary to? Van Duzen River, Eel 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 Humboldt

F. USGS 7.5 Minute Quad Map Name

G. Township

H. Range

I. Section

J. 1/4 Section

Dinsmore, CA

T1N

R5E

11

SE1/4

☐ Continued on additional page(s)

K. Meridian (check one)

☒ Humboldt

☐ Mt. Diablo

☐ San Bernardino

L. Assessor's Parcel Number(s)

208-071-32

☐ Continued on additional page(s)

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

Latitude: 40.4800672

Longitude: -123.5737151

Latitude/Longitude

☐ Degrees/Minutes/Seconds

☒ Decimal Degrees

☐ Decimal Minutes

UTM

Easting:

Northing:

☐ Zone 10 ☐ Zone 11

datum used for Latitude/Longitude or UTM

☐ NAD 27

☒ NAD 83 or WGS 84

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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 type="checkbox"/>	<input 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"/>
Other (specify):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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.

Surface water well (See the attached well drilling report) being used for medical cannabis cultivation. Currently water from the well is being used to irrigate cannabis on applicants three parcels: 208-071-032 has 1,920 square feet of cannabis cultivation, 208-341-021 has 4,800 sq ft of cannabis cultivation, and 208-341-023 has 10,000 sq ft of cannabis cultivation. The land owner estimates he is currently using 300,000 gallons of water from the well between May 15th and October 31st. He has 40,000 gallons of storage on site that was filled prior to May 15th of this year. This storage could be used to offset some of the surface water use during late august/ September when flows are at their lowest.

The land owner is in the process of getting a permitted 500,000 gallon off stream pond for APN 208-071-032. He is also in the process of getting the county cannabis permit and moving the cannabis cultivation from APN's 208-341-021 and 280-341-023 to APN 208-071-032. The pond would provide water for all of the cannabis cultivation needs between May 15th and October 31st in 2017.

Winter season (November 1st to May 14th) water diversion from the well will be used for medical cannabis cultivation in a future permitted indoor operation on 208-071-032. It will also be used to top off the pond as necessary. Starting in 2017 no water will be diverted between May 15 and October 31.

☐ Continued on additional page(s)

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

No equipment or machinery use will be required.

☐ 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

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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.

No impacts to the bed, channel, and bank of the river and the associated riparian habitat are expected as a result of the diversion.

☐ Continued on additional page(s)

B. Will the project affect any vegetation?

☐ Yes (Complete the tables below) ☒ No

Vegetation Type	Temporary Impact	Permanent Impact
	Linear feet: _____ Total area: _____	Linear feet: _____ Total area: _____
	Linear feet: _____ Total area: _____	Linear feet: _____ Total area: _____

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

☐ 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

Coho salmon, Chinook salmon, and steelhead trout are present in the Van Duzen River.

☐ Continued on additional page(s)

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

CNDDDB

☐ 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.

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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.

No sediment delivery to area waters is expected as a result of this proposed winter water diversion.

☐ Continued on additional page(s)

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

This proposed project is water diversion from an existing well located on the Van Duzen River floodplain. Starting in 2017 It is proposed to store the water for use during the growing season. Starting in 2017 no water will be diverted for cannabis cultivation between May 15 and October 31 when flows are at their lowest.

☐ Continued on additional page(s)

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

Project mitigation: there are 40,000 gallons of stored water on site that could be used to off set water diverted in late August/ September when flows in the Van Duzen are at their lowest.

☐ 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. Humboldt County Well Permit

☐ Applied ☒ Issued

B. _____

☐ Applied ☐ Issued

C. _____

☐ Applied ☐ Issued

D. Unknown whether ☐ local, ☐ state, or ☐ federal permit is needed for the project. (Check each box that applies)

☐ Continued on additional page(s)

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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)?

- ☐ Yes (Check the box for each CEQA, NEPA, CESA, and ESA document that has been prepared and enclose a copy of each)
☒ 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 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?

- ☐ Yes (Complete boxes D, E, and F) ☐ No (Skip to box 14.G)

D. CEQA Lead Agency _____

E. Contact Person _____

F. Telephone Number _____

G. If the project described in this notification is part of a larger project or plan, briefly describe that larger project or plan.

This project is included in a Water Resource Protection Plan (WRPP) to be enrolled with the NCRWQCB in Santa Rosa for Humboldt County medical cannabis cultivation and processing. WRPP elements include identification of appropriate water use and storage, existing or potential pollutant sources (sediment sources, petroleum, fertilizers, etc.) to area waters, corrective actions and time table, a mitigation and monitoring plan, identification of existing or potential road related water quality issues, waste containment and disposal, and structure assessment. The WRPP requires on-going annual monitoring and reporting to the NCRWQCB.

☐ Continued on additional page(s)

H. Has an environmental filing fee (Fish and Game Code section 711.4) been paid?

- ☒ Yes (Enclose proof of payment) ☐ No (Briefly explain below the reason a filing fee has not been paid)

Note: If a filing fee is required, the Department may not finalize a Lake or Streambed Alteration Agreement until the filing fee is paid.

15. SITE INSPECTION

Check one box only.

☐ 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.

☒ I request the Department to first contact (insert name) Travis Bowen
 at (insert telephone number) 707-726-2905 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.

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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.


Signature of Applicant or Applicant's Authorized Representative

8-10-16
Date

Travis Bowen

Print Name

Travis Bowen 1600 Location Map

Humboldt County, California

Dinsmore Quad

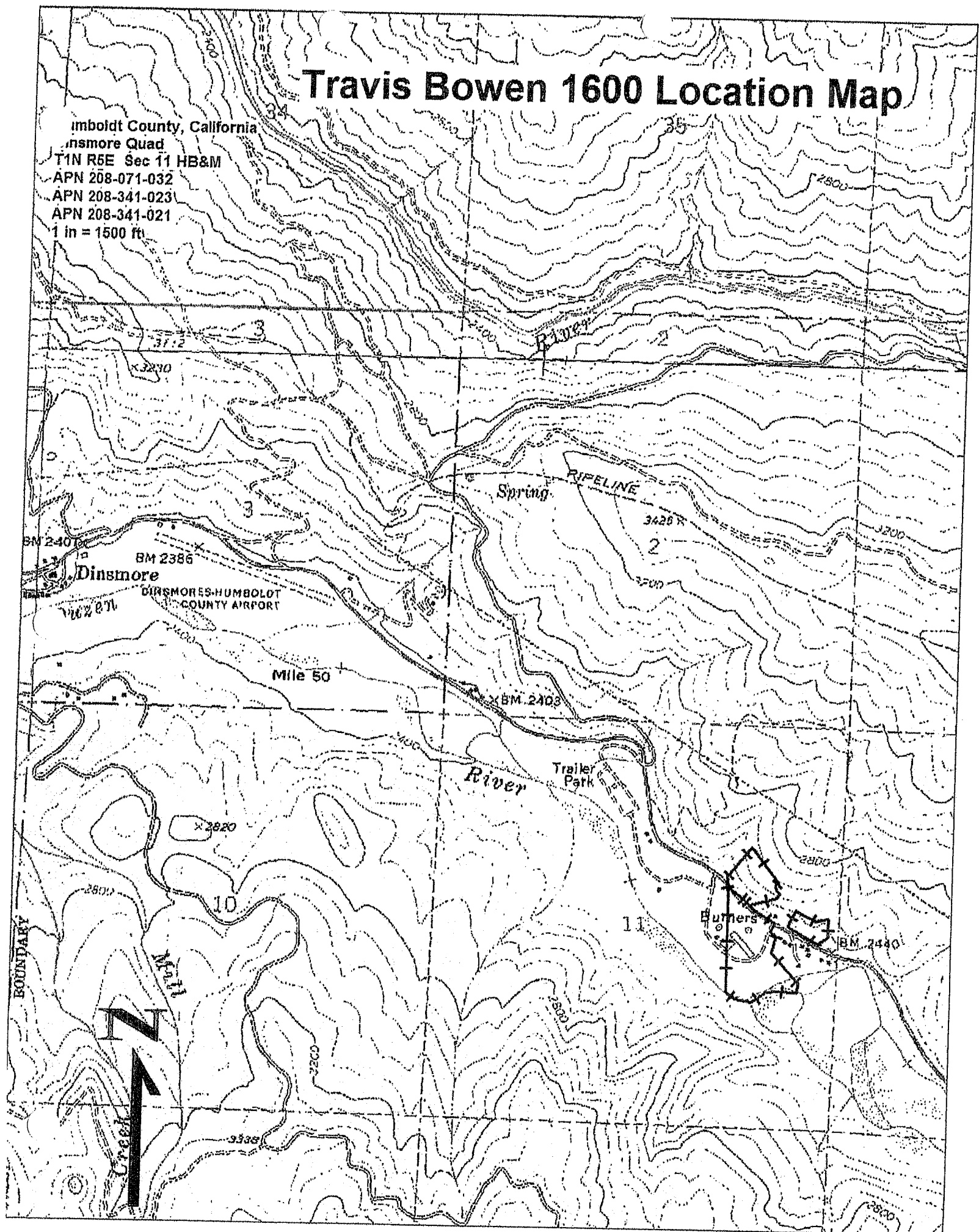
T1N R5E Sec 11 HB&M

APN 208-071-032

APN 208-341-023

APN 208-341-021

1 in = 1500 ft



Well Location

Humboldt County, California

Grassmore Quad

T1N R5E Sec 11 HB&M

APN 208-071-032

APN 208-341-023

APN 208-341-021

1 in = 350 ft

Burners

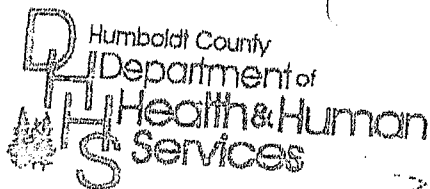
2800

BM 24

Well Location

Van Duzen River





Environmental Health
100 H Street, Suite 100, Eureka, CA 95501
phone: (707) 445-6246 fax: (707) 441-5695
1516-C-392

WATER WELL APPLICATION

JAN 26 2016

CONSTRUCTION -- REPAIR -- DESTRUCTION

The Well Permit will be returned to the property owner when approved by
Humboldt County Division of Environmental Health (DEH)

Instructions:

1. Complete pages 1 and 2 of the application and submit the required fee with the Well Permit application, including Well Driller's signature and property owner's signature.
2. Work on the well shall not be started prior to approval of the Well Permit Application by DEH.
3. Any changes made to the location of a new well shall be approved by DEH prior to commencement of drilling.
4. DEH shall be notified by the Well Driller a minimum of 24 hours prior to sealing the annular space.

Site Address 46070 HIGHWAY 316 APN 208-071-32
City/State/Zip Dinmore CA 95520
Directions to Site _____

Applicant FISCH DRILLING Contact Chris Fisch
Mailing Address 3150 Johnson Rd. Work Phone (707) 768-9800
City/State/Zip Hydesville CA 95547 Cell Phone (707) 601-3042
Property Owner Travis Bowen Home Phone 707-720-2905
Mailing Address PO Box 236 Work Phone _____
City/State/Zip Mad River, CA 95552 Cell Phone 707-672-9507

I hereby grant 'right-of-entry' for inspection purposes _____

Drilling Contractor FISCH DRILLING C-57 License # 683865

I hereby agree to comply with all laws and regulations of the County of Humboldt and the State of California Department of Water Resources Bulletin 74 pertaining to water well construction. I will contact Humboldt County Division of Environmental Health (DEH) when I commence work. Within 15 days after completion of work, I will furnish DEH a report of the work performed.

Well Driller Signature: [Signature]

Would driller like a copy of approved application? ☒ Yes ☐ No

☐ U.S. Mail address:

☒ Email address: chris@fischdrilling.com

Type of Application:

- ☒ Construction
☐ Destruction
☐ Repair/Modification

Construction:

Estimated Depth (ft.) _____
Diameter (in.) 12"
Depth of Seal (ft.) 20'
Sealing Material Bentonite

Intended Use:

- ☒ Domestic - private
☐ Community Supply
☐ Irrigation
☐ Other _____

Estimated Work Dates:

Casing:

Type of Sewage System:

Start _____

Diameter (in.) 8"

☐ Community Sewer

Completion _____

Material Steel

☒ OWTS (Septic)

Distance from well site
to OWTS N/A

Special Requirements/Comments:

PLOT PLAN

FOR OFFICE USE ONLY

Fee: \$373.00

Site Approved by: B. Kelly 2/22/16

Date: 1-26-16

Site Finaled Date: _____

Receipt: 749C10

Sealed to Depth of: _____

Project #: 15/16-0392

Seal observed: ☐ Yes ☐ No

Final Approved Date: _____

Keep This Copy
For Your Records

State of California
Well Completion Report
WCR Form Submitted 02/29/2016
WCR2016-001633

RECEIVED

AUG 28 2017

Humboldt County
Cannabis Svcs

Owner Well Number 1 Date Work Began 02/26/2016 Date Work Ended 02/29/2016
Local Permit Agency Humboldt County Department of Health & Human Services - Land Use Program
Secondary Permit Agency Permit Number 15/16-0392 Permit Date 02/22/2016

Well Owner (must remain confidential pursuant to Water Code 13752)

Name Travis Bowen
Mailing Address PO Box 236
City Mad River State CA Zip 95552

Planned Use and Activity

Activity New Well
Planned Use Water Supply Domestic

Well Location

Address 46070 HWY 36 APN 206-071-32
City Dinsmore Zip 95526 County Humboldt Township 01 N
Latitude 42 46 06.72 N Longitude -123 57 37.151 W Range 05 E
Section 11
Baseline Meridian Humboldt
Ground Surface Elevation
Elevation Accuracy
Elevation Determination Method

Borehole Information

Orientation Vertical Specify
Drilling Method Other - Under-ream Drilling Fluid Air
Down-Hole Hammer
Total Depth of Boring 100 Feet
Total Depth of Completed Well 100 Feet

Water Level and Yield of Completed Well

Depth to first water 22 (Feet below surface)
Depth to Static
Water Level 16 (Feet) Date Measured 02/29/2016
Estimated Yield 200 Test Type Air Lift
Test Length 4.0 Total Drawdown 84 (Feet)
*May not be representative of a well's long term yield

Geologic Log - Free Form

Depth from Surface Feet to Feet	Description
0 - 2	Top Soil
2 - 47	Brown River Run
47 - 100	Blue River Run

Casings

Casing #	Depth from Surface Feet to Feet	Casing Type	Material	Casings Specifications	Wall Thickness Inches	Outside Diameter Inches	Screen Type	Slot Size if any (inches)	Description
1	0 - 40	Blank	Low Carbon Steel	Grade ASTM A53	0.188	8.625			
1	40 - 90	Screen	Low Carbon Steel	Grade ASTM A53	0.188	8.625	Milled Slots	0.05	
1	90 - 100	Blank	Low Carbon Steel	Grade ASTM A53	0.188	8.625			

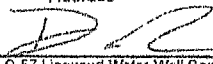
Annular Material

Depth from Surface Feet to Feet	Fill	Fill Type Details	Filter Pack Size	Description
0 - 20	Bentonite	Other Bentonite		Sanitary Seal
20 - 100	Filter Pack	Other Gravel Pack	3/8 in	Pea Gravel

Other Observations:

Borehole Specifications		
Depth from Surface Feet to Feet		Borehole Diameter (inches)
0	100	12

Attachments
BowenSiteMap.pdf - Location Map

Certification Statement			
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.			
Name	FISCH DRILLING		
Person, Firm or Corporation			
3150 JOHNSON ROAD	HYDESVILLE	CA	95547
Address	City	State	Zip
Signed			02/29/2016
C-57 Licensed Water Well Contractor		Date Signed	683865
			C-57 License Number

DWR Use Only	
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>	
Site Number / State Well Number	
<div style="border: 1px solid black; display: inline-block; width: 100px; height: 20px; text-align: center;">N</div>	<div style="border: 1px solid black; display: inline-block; width: 100px; height: 20px; text-align: center;">W</div>
Latitude Deg/Min/Sec	Longitude Deg/Min/Sec
TRS:	
APN:	

NOTIFICATION OF LAKE OR STREAMBED ALTERATION

Applicant Name: Travis Bowen

Project Name: Travis Bowen water diversion



ATTACHMENT C

Water Diversion Questionnaire

I. DIVERSION OR OBSTRUCTION

Please provide the additional information below *if* the project is directly related to any diversion, obstruction, extraction, or impoundment of the natural flow of a river, stream, or lake. If you have a current or expired Lake or Streambed Alteration Agreement (Agreement) for some activity related to your project, provide the Agreement number in your project description below.

A. Attach plans of any diversion or water storage structure or facility that will be constructed or if no structures or facilities will be constructed, photographs of the project site, including any existing facilities or structures.

B. Please complete the water use table below. For diversion rate, use gallons per day (gpd) if rate is less than 0.025 cubic foot per second (cfs) (approximately 16,000 gallons per day).

SEASON OF DIVERSION		PURPOSE OF USE	DIVERSION RATE (cfs or gpm)	AMOUNT USED (acre feet)	
BEGINNING DATE (Mo. & Day)	ENDING DATE (Mo. & Day)			FROM STORAGE	BY DIVERSION
May 15 2016	November 31 2016	Medical Cannabis	1.24 gpm	0.12	0.92
November 1	May 14	Medical Cannabis	1.24 gpm	~300,000 gallons will be	used to fill storage
		Medical Cannabis		and water indoor cultivation	
		Medical Cannabis			

C. Attach a topographic map that is labeled to show the following:

1. Source of the water
2. Points of diversion
3. Areas of use
4. Storage areas

D. Specify the maximum instantaneous rate of withdrawal (using proposed equipment) in cubic feet per second (cfs) or gallons per minute (gpm): ~ 200 gpm

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ATTACHMENT C

E. Check each box below that applies to the project water rights and attach supporting documents.

- ☐ Riparian. *Attach the most recent statement of riparian rights filed with the State Water Resources Control Board (SWRCB).*
- ☐ Diversion for immediate use
- ☐ Diversion to storage (for less than 30 days)
- ☒ Appropriative
 - ☐ Pre-1914
 - ☐ Post-1914. *Attach a copy of the applicant's water right application, permit, or license filed with or issued by the SWRCB.*
 - ☐ Diversion for immediate use. *Attach a copy of the applicant's water right application, permit, or license filed with or issued by the SWRCB.*
 - ☒ Diversion to storage. *Attach a copy of the applicant's water right application, permit, or license filed with or issued by the SWRCB.*
 - ☐ Small domestic or livestock stockpond use. *Attach a copy of the applicant's registration of water use form filed with the SWRCB. (See Water Code section 1228 et seq.)*
- ☐ Purchased or contracted water. *Attach a copy of the applicant's contract or letter from the applicant's water provider.*
- ☒ Other. *Describe below or attach separate page.*

This project involves surface water diversion for medical cannabis cultivation from an existing well. Starting in 2017 diversion will be between November 1 and May 14, and water will not be diverted between May 15 and October 31. Diverted water will be stored in an engineered off-stream pond on the property. See the attached well drilling report.

F. Approximate lowest level of flow in the river, stream, or lake at the point of diversion during the proposed season of diversion in gpm or cfs: lowest flow in 2015 was Aug 28th-29th 2.6 cfs on 8-10-16 there is 0.3 cfs in Van Duzen River near bridgeville

G. Other information. After the Department reviews the project description, and based on the project's location and potential impacts to fish and wildlife resources, the Department will determine if additional information is needed to complete the notification. Such information could include more site-specific information to ensure that the terms and conditions in the Lake or Streambed Alteration Agreement issued to the applicant will be adequate to protect the fish and wildlife resources the diversion or obstruction could adversely affect. Site-specific information could include specific studies based on the season of diversion, the location of the diversion relative to other diversions in the watershed, the method of diversion, and the quantity of water to be diverted, such as the following:

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1. *Water Availability Analysis* to determine if the water can be diverted without causing substantial adverse effects on downstream fish and wildlife resources. Water availability analyses are based on a comparison of flows without any diversions (unimpaired flows) and flows available when all known diversions are "subtracted" (impaired flows). The protocol for water availability analyses is available on request.
2. *Instream Flow Study* to determine the minimum bypass flows needed and maximum rates of withdrawal possible to provide adequate depths and velocities to protect habitat for all life stages of aquatic resources. The study plan, which must be prepared by a qualified fisheries biologist and approved by the Department, will determine the effects of the proposed diversion on flow depth and velocity.
3. *Water Quality Study* to assess the effects of the proposed water diversion or impoundment on water temperature and water quality at and downstream from the point of diversion.

II. PERMANENT OR TEMPORARY RESERVOIR

Please provide the information below *if* the project includes the construction of a reservoir, whether permanent or temporary, and/or the filling of a reservoir by diverting or obstructing the flow of a river, stream, or lake.

- A. Proposed use of the stored water: Medical cannabis cultivation
- B. Construction plans for the reservoir and dam. (*Attach plans*)
- C. A complete description of the reservoir and dam, including the methods and materials that will be used to construct the reservoir and dam and the following dimensions certified by a licensed professional: the width, length, depth, and total surface area of the reservoir pool; the volume of water in acre-feet that will be stored in the reservoir; and the height and length of the dam.
- D. The amount of riparian land that will be inundated (i.e., upstream from the dam): None
- E. Where vehicles will enter and exit the project site during construction and for maintenance purposes after construction. (*Attach map*)
- F. The maximum distance of the disturbance that will occur upstream and downstream during construction: None
- G. The methods that will be employed to ensure that the flow is maintained below the dam at all times when water is being diverted into the reservoir. N/A- off-stream constructed pond will be sourced by winter season diverted water from an existing well. No flow below the pond will be present.
- H. Specify the time period when the area below the dam becomes dry, if at all. N/A

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- I. The methods that will be employed to ensure that adult and juvenile fish will be able to pass over or around the dam. N/A- storage pond will be off-stream and have no effect on fish.

- J. If a fish ladder is necessary to enable adult and juvenile fish to pass over or around the dam, provide construction plans and an operation plan for the fish ladder. *(Enclose, if applicable)*

- K. The methods that will be employed to monitor and maintain water quality (including temperature) within the reservoir. _____

III. TEMPORARY RESERVOIR

Please provide the information below *if* the project includes the construction of a temporary reservoir only within the stream zone.

- A. Date of dam installation: _____
- B. Date of dam removal: _____
- C. Amount of time it will take to construct the dam: _____
- D. Amount of time it will take to remove the dam: _____
- E. Methods to ensure that the reservoir pool will be drained in a manner that does not strand or otherwise harm fish: _____
