

RECEIVED

JUL 29 2013

DEPARTMENT OF  
WATER RESOURCES



State of Idaho

DEPARTMENT OF WATER RESOURCES

Northern Region, 7600 Mineral Drive, Suite 100, Coeur d'Alene, Idaho 83815

Phone: (208) 762-2800 FAX: (208) 762-2819 www.idwr.idaho.gov

C.L. "BUTCH" OTTER  
Governor

GARY SPACKMAN  
Director

July 26, 2013

MMG LIMITED  
ANGELA O'ROURKE  
LEVEL 26 – 1177 W HASTINGS ST  
VANCOUVER BC CANADA V6E2K3

RE: Temporary Permit No. TP-98-24

Dear Applicant(s):

Your application for Temporary approval of Water Appropriation has been granted and assigned number TP-98-24.

Please be advised that THE PERMIT IS SUBJECT TO THE EFFECTIVE DATES AND CONDITIONS STATED ON PAGE TWO OF THE APPLICATION.

The Idaho Department of Fish & Game (IDFG) now requires a Special Use Permit if their property is to be used for a point of diversion. IDFG contact person is Mary Terra-Berns at 208-769-1414, 2885 W Kathleen Ave., Coeur d'Alene, ID, USA 83815.

If you have any questions, or if this office can be of further assistance, please contact us.

Sincerely,

A handwritten signature in blue ink that reads "Keith E. Franklin".

Keith E. Franklin  
Program Manager

Enclosure Copy of TP-98-24

Basin 98

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES

JUL 29 2013

DEPARTMENT OF  
WATER RESOURCES**APPLICATION FOR TEMPORARY APPROVAL OF WATER APPROPRIATION**

(For a use not intended to become an established water right, not to exceed a total diverted volume of five (5) acre-feet, and not to exceed one (1) year duration in accordance with Section 42-202A, Idaho Code.)

Name of applicant: MMG Limited - Angela O'Rourke Phone: +1 778 986 9224Address: Level 26, 1177 West Hastings Street, VANCOUVER BC CANADA V6E 2K3 Email: angela.orourke@mmg.com1. Source of water: Zion Ck / East Fork Mission Ck / Mission Ck tributary to Mission Creek / Kootenai River2. Location of point(s) of diversion: See Table 1 attached

TWP	RGE	SEC	GOVT LOT	1/4	1/4	1/4	County	Source	Local name or tag #

3. Location of place of use: See Table 2 attached

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

4. Describe proposed use of water: For mineral exploration drilling. Water is circulated in the drillhole to enable drilling by cooling the drill bit and returning cuttings to the drill collar. All water and cuttings returned to surface will be contained in lined sumps on the drill site and recirculated in the drillhole. No water will be discharged into any watercourse.

5. Amount of water:

Maximum rate of diversion 72 cfs or 100 gpm.Maximum daily volume 0.0243214 AF; total volume 3 AF.6. Duration of diversion: from 1 May 2013 to 31 Dec 2013  
Day-month Day-month7. Describe proposed diverting works: Pump water from local streams and transfer to drill site in water truck or via poly line8. a. Who owns the property at the requested point of diversion? USDA FS Idaho Panhandle National Forest Coeur d' Aleneb. Who owns the land to be irrigated or place of use? USDA FS Idaho Panhandle National Forest Coeur d' Alene

c. If the property is owned by a person other than the applicant, describe the arrangement allowing access to the water:

Awaiting USDA FS Idaho Panhandle NF to issue permit for proposed work-Contact Kevin Knesek (208)7657442

9. Additional remarks: Actual date of commencement of proposed drilling program is dependent on site accessibility and permitting. The duration of the drilling program will be a period of approximately 4 - 6 weeks. The expected timing of the drilling program is July - August 2013.

I hereby acknowledge that I assume all risk if the diversion and use of the water under this approval injures other water rights. I certify this is a temporary use and that I am not seeking a continuing right to use water.

Angela O'Rourke

Signature of applicant

15/02/2013

Date

Received by \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

\$50.00 fee receipted by Diana # 1030059 Date 7/29/13

Watermaster Comments received? \_\_\_\_\_ Date \_\_\_\_\_

**ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES**

This is to certify that the department has examined this application for temporary approval to use water under the provisions of Section 42-202A, Idaho Code, and has determined that:

- ☐ A. The application for temporary approval should be denied.
- ☒ B. The application for temporary approval should be approved, since
1. The temporary approval can be properly administered.
  2. Other water sources are not readily available.
  3. The approval is in the public interest.
  4. The approval will not injure known public values associated with the water source or any known water rights.

This application is therefore hereby:

- ☐ A. DENIED
- ☒ B. APPROVED, subject to the following conditions:
1. Diversion and use of water under this approval is subject to all valid existing water rights.
  2. The applicant assumes all risk the use of the water under this approval may injure other water rights.
  3. This approval authorizes a maximum diversion of 3 AF and a maximum rate of diversion of 0.22 cfs.
  4. This approval does not grant a right-of-way across the land of another, does not create a continuing right to use the water and may not be used in connection with a use which requires a continuing water supply.
  5. The department may cancel this approval at any time if the department identifies injury to other water rights.
  6. This approval does not create a continuing right to use water.
  7. The holder of this temporary permit shall not divert at a rate or in a manner that will significantly reduce the flow in the water source or otherwise adversely affect fish, wildlife or other public values.
  8. Other: Water intakes should be screened to prevent entrainment or impingement of fish or other aquatic life. The maximum screen mesh size should be 0.25 inches; approach velocities should not exceed 0.5 ft/second.
  9. This approval expires on 12/31/13.

Signed this 26 day of July, 2013

Keith E. Franklin  
For the Director



MMG Proposed 2013 Exploration Drilling Program - Boundary Claims, Idaho

**Table 1: Location of point (s) of diversion**

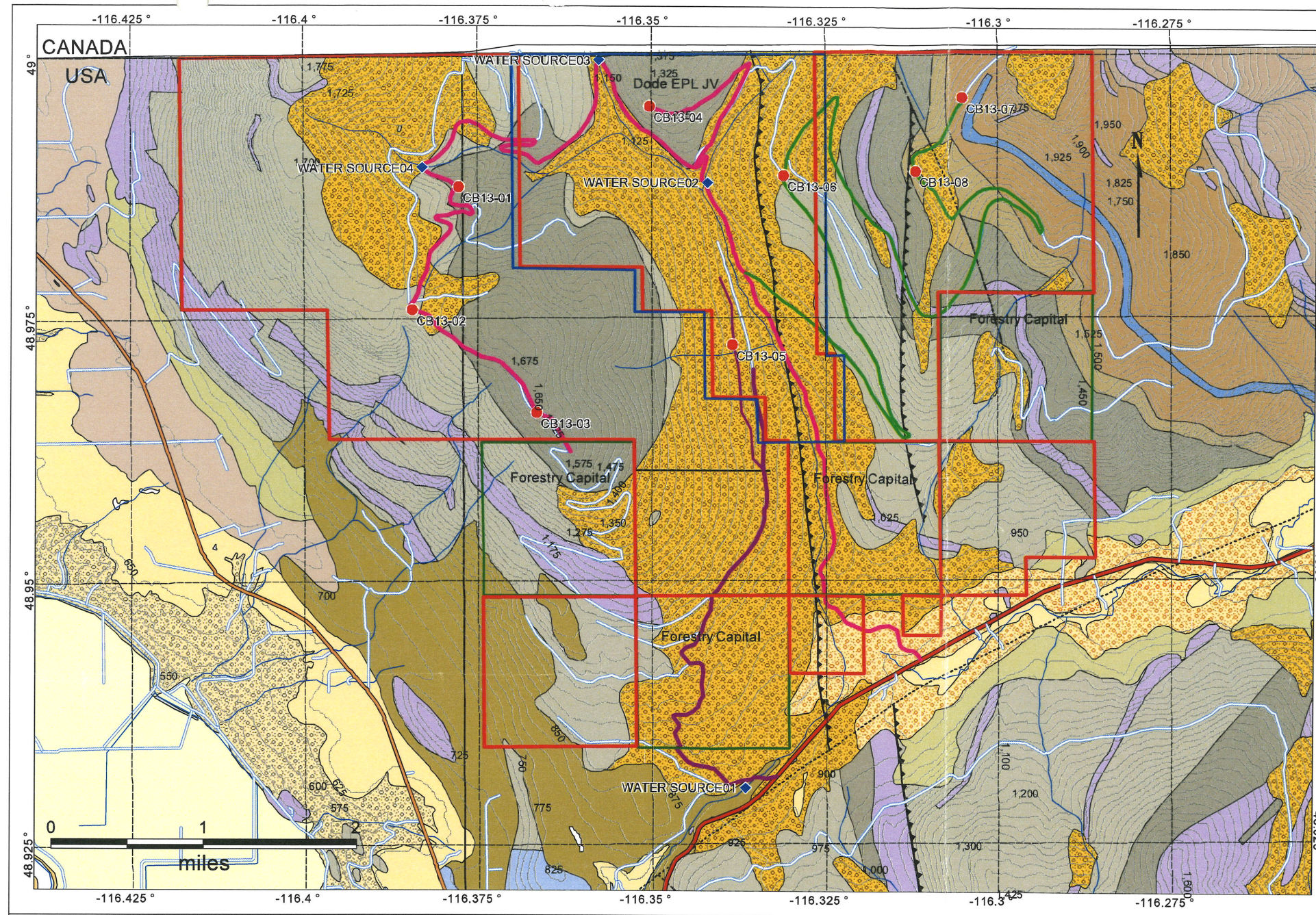
PROPOSED WATER SOURCE	LATITUD E	LONGITUD E	UTM_N_NAD83	UTM_E_NAD83	ALTITUD E	TWP	RGE	SEC	GOVT LOT	1/4	1/4	1/4	COUNTY	SOURCE	TIBUTARY TO	LOCAL NAME OR TAG #
WATER SOURCE01	48.93042	116.336661	5419931.954	548586.7299	861.2951	064N	001E	4	-	NE	SW	NE	Boundary	Mission Creek	Kootenai River	
WATER SOURCE02	48.98795	116.341936	5426324.385	548144.9616	1076.794	065N	001E	16	-	NW	SE	NW	Boundary	East Fork Mission Creek	Mission Creek	
WATER SOURCE03	48.99973	116.357542	5427624.232	546992.152	1152.713	065N	001E	8	-	NE	Unsurveyed part of S8		Boundary	Mission Creek	Kootenai River	
WATER SOURCE04	48.98953	116.382932	5426475.062	545144.284	1423.133	065N	001E	18	-	NE	NW	NE	Boundary	Zion Creek	Mission Creek	

**MMG Proposed 2013 Exploration Drilling Program - Boundary Claims, Idaho**

**Table 2: Location of place of use:**

[illegible]





## GEOLOGY LEGEND

### Hall Mountain 1:25K Geology Map

	Water	
	Qcg Colluvial deposits	Silt, sand, and gravel colluvium. Forms debris fans and colluvial aprons along steeper escarpments and gullies of glacial terraces and benches. Includes small unmappable mass movements. Mostly in escarpments of Qglic where mapped.
	Qlm Lacustrine and mud deposits	Organic muck, mud, and peat bogs in poorly drained paleoglacial outwash channels, kettles and bedrock scour and depressions. Interbedded with thin layers of fine sand, silt, and clay. Soils of the Pywell series. Thickness from 1 to 5 m (3-16 ft).
	Qgl Glaciolacustrine deposits	Massive to well bedded and finely laminated clay, silt, and sand deposited in Glacial Lake Kootenai at the northward retreating ice margin in the Purcell Trench. Exhibit well developed rhythmites and beds of sand and silt and scattered dropstones.
	Qgk Kame deposits	Poorly stratified and compact silty to sandy boulder lodgement till; locally includes ground moraine and some interbedded proglacial and ice contact and outwash deposits. Includes multiple kame terraces along the east side of the Purcell Trench.
	Qg Till and kame deposits	Mapped where Qgt and Qgk, described below, are not separable at the map scale.
	Qgt Till deposits	Dense silt, pebble, and cobble till with local boulders deposited by the Purcell Trench lobe of the Cordilleran Ice Sheet and local mountain glaciers. Poorly stratified compact basal till includes ground moraine and some interbedded proglacial gravel.
	Kgc Granodiorite of Copeland	Porphyritic, medium- to coarse-grained hornblende-biotite and biotite granodiorite ranging to equigranular hypidiomorphic hornblende monzogranite and biotite granite. Microcline phenocrysts, 2-4 cm in length, comprise 5-25 percent of the rock.
	Ymi Mafic intrusive rocks, undivided	Fine- to medium-grained, rare coarse-grained hornblende gabbro and quartz diorite as mostly concordant intrusions. Variants have acicular hornblende, laths of plagioclase, or quartz as large grains or in granophyre.
	Ymic Mafic intrusive rocks, Crossport C sill	Medium- to coarse-grained hornblende gabbro to quartz diorite. This sill is the northern continuation of the middle or 'C' sill of Bishop (1,973, 1976), defined in the Moyie Springs quadrangle to the south.
	Ypf Prichard Formation, member f	Rusty weathering, even parallel laminated, tabular, light and dark gray siltite and dark gray argillite, and minor lighter quartzite. Siltite with marker-bed like layering more common in this unit than others.
	Ype Prichard Formation, member e	Light gray to white weathering siltite and quartzite with darker argillite. Siltite dominates over feldspathic quartzite, both occur as 2-20 dm thick beds. Some beds parallel laminated, but many exhibit features of current traction.
	Ypd Prichard Formation, member d	Tabular light gray siltite and dark gray argillite couplets, gray siltite, and quartzite.
	Ypc Prichard Formation, member c	Light weathering quartzite, darker siltite, and rusty weathering unevenly laminated, dark gray siltite and argillite couplets. Fine-grained to rare medium-grained quartzite, similar to that of Ype but in thinner packages, is scattered throughout.
	Ypab Prichard Formation, members a and b	Even parallel laminated, rusty weathering, dark gray siltite and argillite couplets, siltite, and lighter quartzite. Couplets typically not graded and less than one cm thick; argillite tops locally light weathering. Siltite layers from 2 cm to 3 dm.



### Boundary Claims Geology Map Hall Mountain & Copeland 1:25K Map Sheets

Date: 19/04/2013

Author: A.O'Rourke

Office: Vancouver

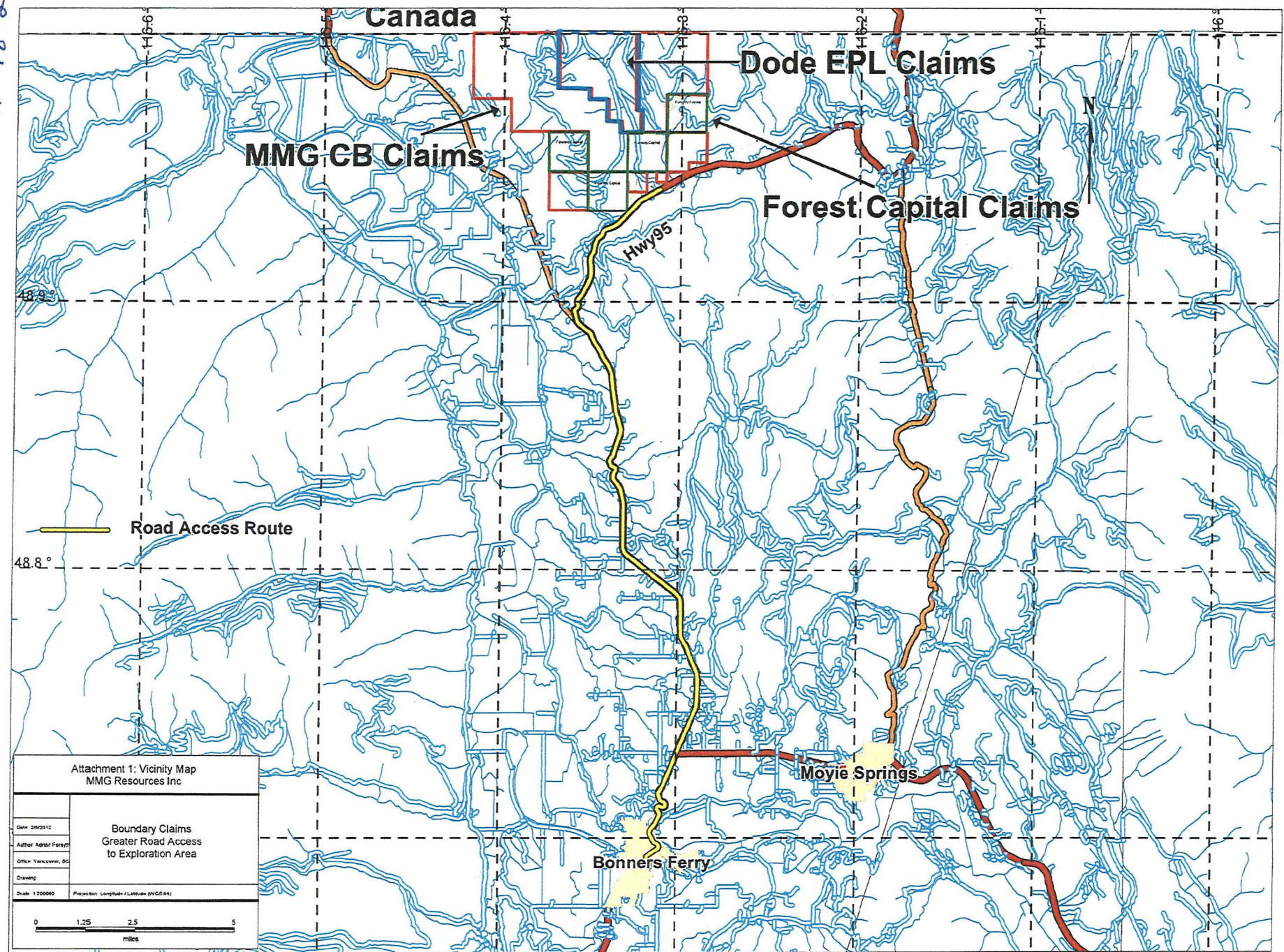
Drawing:

Scale: 1:50000

Projection: Longitude / Latitude (WGS 84)



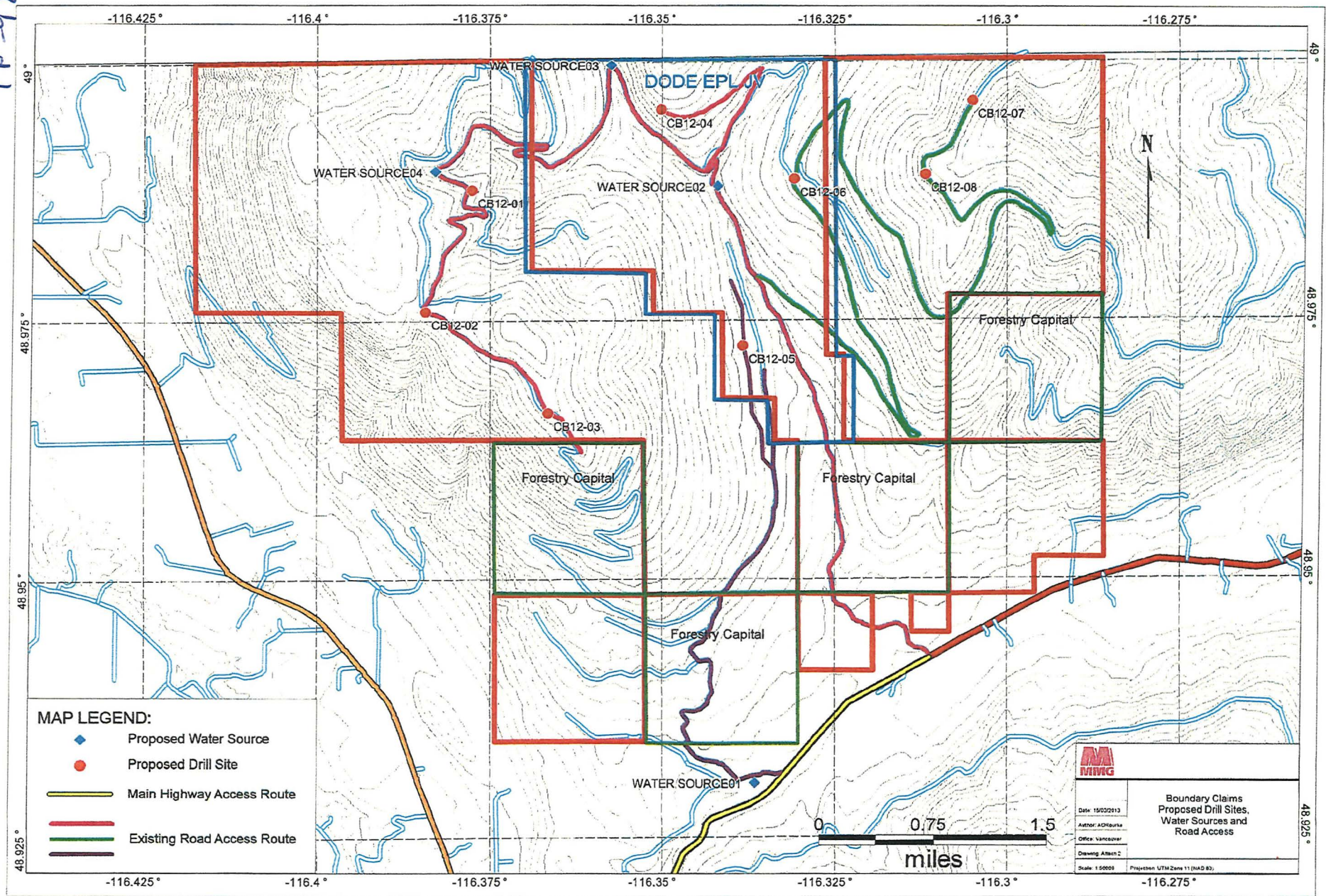
7E-86-AL



Attachment 1: Vicinity Map MMG Resources Inc.	
Date: 26/09/12	Boundary Claims Greater Road Access to Exploration Area
Author: Adrian Fierman	
Office: Vancouver, BC	
Drawing	
Scale: 1:250000	Projection: Longitude / Latitude (WGS 84)
<div><div></div><div>01.252.55</div><div>miles</div></div>	



TP-98-24





## Taylor, Greg

---

**From:** Taylor, Greg  
**Sent:** Monday, June 24, 2013 10:22 AM  
**To:** 'Angela O'Rourke'  
**Subject:** RE: Application for Temporary Water Right - MMG Boundary Claims

Angela,

I still can't find any evidence that the \$50.00 filing fee has been received by this department.

Greg  
208.762.2805

---

**From:** Angela O'Rourke [mailto:Angela.O'Rourke@MMG.COM]  
**Sent:** Thursday, June 13, 2013 11:26 AM  
**To:** Taylor, Greg  
**Subject:** FW: Application for Temporary Water Right - MMG Boundary Claims

Hi Greg,

I have re-forwarded the application for temporary approval of water appropriation. I will let you know when the \$50 check has been posted.

The expected timing for the work is not until a mid-August start for 6 weeks. However, in case of delays to the start of our drilling program, can we please have a permit that is valid until the end of 2013?

Let me know if you need anything further.

Best regards,

**Angela O'Rourke**  
Senior Exploration Geologist

**MMG Limited**

HKEx:1208

Level 26, 1177 West Hastings Street  
Vancouver, B. C. V6E 2K3  
**T** +778 373 5580 **M** +778 986 9224

[angela.orourke@mmg.com](mailto:angela.orourke@mmg.com) [www.mmg.com](http://www.mmg.com)

---

**From:** Angela O'Rourke  
**Sent:** Friday, 15 February 2013 13:33  
**To:** 'Taylor, Greg'  
**Cc:** Quinn Smith  
**Subject:** Application for Temporary Water Right - MMG Boundary Claims

Hi Greg,

On behalf of MMG Limited I have attached an application for a temporary Water Right for our drilling program at our Boundary Claims.

As we have 4 proposed water sources and 8 proposed drill sites on the claim blocks I have included the locality information in the attached Tables 1 and 2.

Locality & Access and Site maps are included as Attachments 1 and 2.

As I explain on the application, the exact start date for the drilling program is unknown as it depends on site accessibility due to snow melt, permitting and local drill contractor availability. The drill program will run for a maximum of 6 weeks and will most likely take place in July/August 2013. I know this is not in the very near future, however I need to get our permits in order asap before I can tender for a local drilling contractor.

Do you mind having a look over the application to see if I have supplied enough information or if you foresee any issues? I can add more detail if necessary.

Do you need to receive this in an original hard copy or is this electronic signed copy ok?

Best Regards,

**Angela O'Rourke**  
Senior Exploration Geologist

**MMG Limited**

HKE:1208

Level 26, 1177 West Hastings Street  
Vancouver, B. C. V6E 2K3  
**T** +778 373 5580 **M** +778 986 9224

[angela.orourke@mmg.com](mailto:angela.orourke@mmg.com) [www.mmg.com](http://www.mmg.com)

---

**From:** Taylor, Greg [<mailto:Greg.Taylor@idwr.idaho.gov>]  
**Sent:** Monday, 4 February 2013 10:49  
**To:** Angela O'Rourke  
**Subject:** Temporary Water right

Angela.

Here is the link to the Temporary Water Right form. Give me a call if you have any questions.

[http://www.idwr.idaho.gov/RulesStatutesForms/WaterRights/PDFs/temporary\\_appropriation.pdf](http://www.idwr.idaho.gov/RulesStatutesForms/WaterRights/PDFs/temporary_appropriation.pdf)

*Greg. Taylor*  
Stream Channel Protection Specialist  
Idaho Department of Water Resources  
(208) 762-2805 (Phone)  
(208) 762-2819 (Fax)  
7600 N. Mineral Drive, Suite 100  
Coeur d'Alene, Idaho 83815  
[greg.taylor@idwr.idaho.gov](mailto:greg.taylor@idwr.idaho.gov)



State of Idaho

## DEPARTMENT OF WATER RESOURCES

Northern Region, 7600 N. Mineral Drive, Suite 100 • Coeur d'Alene, Idaho 83815

Phone: (208) 762-2800 • Fax: (208) 762-2819 • Web Site: [www.idwr.idaho.gov](http://www.idwr.idaho.gov)

C. L. "BUTCH" OTTER  
Governor

GARY SPACKMAN  
Interim Director

May 22, 2013

MARY TERRA BERNIS  
IDAHO DEPARTMENT OF FISH & GAME  
2885 KATHLEEN AVE.  
COEUR D'ALENE, ID 83815

Re: Application For a Temporary Approval of a Water Appropriation

Dear MARY:

The Department of Water Resources is seeking comment and/or recommendation from your agency, regarding an application to temporarily appropriate 3.0 acre-feet of water from Mission and Zion Creeks, for exploratory drilling operations, by MMG Limited. A copy of the application is attached for your reference.

Would you please submit your comments no later than May 29, 2013? If we do not hear from you by that date, we will assume that no comment from you means you have no objection to, concerns about, or conditions pertaining to the issuance of this permit.

You may send comments by regular mail to the above address, by FAX to 208-762-2819 or by e-mail to [keith.franklin@idwr.idaho.gov](mailto:keith.franklin@idwr.idaho.gov).

If you have any questions, don't hesitate to contact me at this office.

Thank you.

Sincerely,

Keith E Franklin  
Program Manager, Northern Region

Encl/kf

*No comments received  
as of 7/26/13. KCF*



## Franklin, Keith

---

**From:** Franklin, Keith  
**Sent:** Wednesday, May 22, 2013 1:03 PM  
**To:** 'angela.rouke@mmg.com'

Angela,

The Idaho Department of Water Resources in reviewing MMG's application for a temporary water appropriation discovered the application fee of \$50.00 hadn't been received. Please submit a check made payable to "IDWR" in the above said amount at your earliest convenience. Mail to 7600 North Mineral Dr., Ste. 100, Coeur d'Alene, Idaho 83815-7763.

Thank you.

Keith E Franklin

Program Manager Northern Region

## Franklin, Keith

---

**From:** Franklin, Keith  
**Sent:** Wednesday, May 22, 2013 2:01 PM  
**To:** 'Terra Berns, Mary'  
**Attachments:** DOC000.pdf

Mary,

Attached is an application for a temporary water appropriation from Mission and Zion Creeks for exploratory drilling by MMG Limited for your review and comment.

Thanks.

Keith.



MMG  
Level 26  
1177 West Hastings Street  
Vancouver, BC, V6E 2K3  
Canada  
T +1 778 373 5600  
info@mmg.com  
www.mmg.com

13 June 2013

Greg Taylor  
Idaho Department of Water Resources  
7600 N. Mineral Drive, Suite 100  
Coeur d'Alene, Idaho 83815

RECEIVED  
JUL 25 2013  
IDWR / NORTH  
RECEIVED  
JUL 25 2013  
IDWR / NORTH

Dear Greg

**CHECK PAYMENT FOR TEMPORARY WATER APPROPRIATION PERMIT**

Please find enclosed a check payable to IDWR for MMG's Application for Temporary Approval of Water Appropriation that was submitted in February 2013. <sup>check # 3194</sup>

Also enclosed for reference is a copy of the application.

Yours sincerely

**Angela O'Rourke**  
Senior Exploration Geologist

T +1 778 373 5580  
F +1 778 986 9224  
E angela.orourke@mmg.com  
M +1 778 986 9224

Receipt #  
N030029  
7/25/13  
do



RECEIVED

JUL 24 2013

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

Department of Water Resources  
Eastern Region

RECEIVED

ID No. TP-75-98

JUL 29 2013

DEPARTMENT OF

## APPLICATION FOR TEMPORARY APPROVAL OF WATER APPROPRIATION

(For a use not intended to become an established water right, not to exceed a total diverted volume of five (5) acre-feet, and not to exceed one (1) year duration in accordance with Section 42-202A, Idaho Code.)

Name of applicant: Braun - Jensen Inc. Phone: 208-550-2684  
Address: 509 S. 9th street, Payette, ID 83661 Email: lbraun@braun-jensen.com1. Source of water: Salmon River tributary to Snake River  
2. Location of point(s) of diversion: Latitude 45° 13min 49.56 sec North Longitude 113° 53' 39.27" W

TWP	RGE	SEC	GOVT LOT	1/4	1/4	1/4	County	Source	Local name or tag #
<u>22N</u>	<u>22E</u>	<u>18</u>							

3. Location of place of use: at Bridge near Carmen Id US-93 over the Salmon River  
Latitude 45° 13 min 49.56 sec North Long 113° 53' 39.27" W

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
22N	22E	18																	

4. Describe proposed use of water: Construction Water for Bridge Repair  
on US-93 Near Carmen Idaho

5. Amount of water:

Maximum rate of diversion 780 cfs or 100 gpm.Maximum daily volume 1.5 AF; total volume 2 AF.6. Duration of diversion: from August 5th, 2013 to October 5th, 2013  
Day-month Day-month7. Describe proposed diverting works: up to 3" pump to supply water to construction activities8. a. Who owns the property at the requested point of diversion? Idaho Transportation Departmentb. Who owns the land to be irrigated or place of use? Idaho Transportation Departmentc. If the property is owned by a person other than the applicant, describe the arrangement allowing access to the water:  
N/A9. Additional remarks: Actual work will only take 10 working days.The job is located at milepost 309.03 on US93 near Carmen Idaho. The bridge over the Salmon River.

I hereby acknowledge that I assume all risk if the diversion and use of the water under this approval injures other water rights. I certify this is a temporary use and that I am not seeking a continuing right to use water.

Signature of applicant: [Signature]Date: 7/22/13Received by SL Date 7/24/13 Time   
\$50.00 fee receipted by SL # E038928 Date 7/24/13  
Watermaster Comments received?  Date

**ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES**

This is to certify that the department has examined this application for temporary approval to use water under the provisions of Section 42-202A, Idaho Code, and has determined that:

- ☐ A. The application for temporary approval should be denied.
- ☒ B. The application for temporary approval should be approved, since
1. The temporary approval can be properly administered.
  2. Other water sources are not readily available.
  3. The approval is in the public interest.
  4. The approval will not injure known public values associated with the water source or any known water rights.

This application is therefore hereby:

- ☐ A. DENIED
- ☒ B. APPROVED, subject to the following conditions:
1. Diversion and use of water under this approval is subject to all valid existing water rights.
  2. The applicant assumes all risk the use of the water under this approval may injure other water rights.
  3. This approval authorizes a maximum diversion of 2 AF and a maximum rate of diversion of \_\_\_\_\_ cfs.
  4. This approval does not grant a right-of-way across the land of another, does not create a continuing right to use the water and may not be used in connection with a use which requires a continuing water supply.
  5. The department may cancel this approval at any time if the department identifies injury to other water rights.
  6. This approval does not create a continuing right to use water.
  7. The holder of this temporary permit shall not divert at a rate or in a manner that will significantly reduce the flow in the water source or otherwise adversely affect fish, wildlife or other public vaules.
  8. Other: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  9. This approval expires on October 5, 2013.

Signed this 25th day of July, 2013.

Lyle Swank  
For the Director



**State of Idaho**

**DEPARTMENT OF WATER RESOURCES**

**900 N Skyline Dr., Ste A, Idaho Falls, Idaho 83402-1718**

**Phone: (208) 525-7161 FAX: (208) 525-7177 [www.idwr.idaho.gov](http://www.idwr.idaho.gov)**

---

**C.L. 'BUTCH' OTIER**  
Governor

July 25, 2013

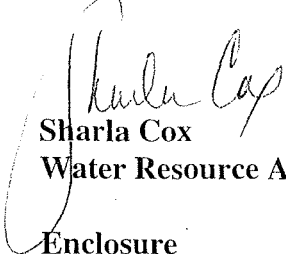
**GARY SPACKMAN**  
Director

**Braun-Jensen Inc**  
**509 S 9<sup>th</sup> Stree**  
**Payette ID 83661**

**Applicant:**

**Enclosed is your approved copy of Temporary Permit TP-75-98. Please take note of the effective dates on line 6 and the conditions on the back.**

**Sincerely,**

  
**Sharla Cox**

**Water Resource Administrative Assistant**

**Enclosure**