

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public water of the State of Idaho

1. Name: STEVEN M LISS
14121 S HWY 97
HARRISON ID 83833
(208)765-3131
AND/OR

KIM M LISS
14121 S HWY 97
HARRISON ID 83833
(208)765-3131

RECEIVED

MAY 27 2010

IDWR/NORTHERN

2. Source: SPRING Tributary to: SINKS
UNNAMED STREAM Tributary to: SQUAW CREEK

3. Location of Point of Diversion:

- | | | | |
|-----|-----------------|----------------------|---------------------------------|
| #1 | SPRING | L2 (SW1/4NW1/4NE1/4) | Sec. 10, Twp 49N, Rge 03W, B.M. |
| | KOOTENAI County | | |
| #2 | SPRING | L2 (SW1/4NW1/4NE1/4) | Sec. 10, Twp 49N, Rge 03W, B.M. |
| | KOOTENAI County | | |
| #3 | SPRING | L9 (NW1/4NW1/4NE1/4) | Sec. 10, Twp 49N, Rge 03W, B.M. |
| | KOOTENAI County | | |
| #4 | SPRING | NE1/4NE1/4NW1/4 | Sec. 10, Twp 49N, Rge 03W, B.M. |
| | KOOTENAI County | | |
| #5 | SPRING | NE1/4NE1/4NW1/4 | Sec. 10, Twp 49N, Rge 03W, B.M. |
| | KOOTENAI County | | |
| #6 | SPRING | SE1/4NE1/4NW1/4 | Sec. 10, Twp 49N, Rge 03W, B.M. |
| | KOOTENAI County | | |
| #7 | SPRING | SE1/4NE1/4NW1/4 | Sec. 10, Twp 49N, Rge 03W, B.M. |
| | KOOTENAI County | | |
| #8 | SPRING | SE1/4NE1/4NW1/4 | Sec. 10, Twp 49N, Rge 03W, B.M. |
| | KOOTENAI County | | |
| #9 | SPRING | SW1/4NE1/4NW1/4 | Sec. 10, Twp 49N, Rge 03W, B.M. |
| | KOOTENAI County | | |
| #10 | SPRING | SW1/4NE1/4NW1/4 | Sec. 10, Twp 49N, Rge 03W, B.M. |
| | KOOTENAI County | | |
| #11 | SPRING | SW1/4NE1/4NW1/4 | Sec. 10, Twp 49N, Rge 03W, B.M. |
| | KOOTENAI County | | |

**STATE OF IDAHO
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#12 SPRING SW1/4NE1/4NW1/4 Sec. 10, Twp 49N, Rge 03W, B.M.
KOOTENAI County

#13 UNNAMED STREAM NW1/4NW1/4 Sec. 10, Twp 49N, Rge 03W, B.M.
KOOTENAI County

4. Water will be used for the following purposes:

<u>Purpose</u>	<u>From</u>	<u>To</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/15	to 10/15	0.20 CFS	
FISH HABITAT STORAGE	01/01	to 12/31		3.5 AF
RECREATION STORAGE	01/01	to 12/31		3.5 AF
RECREATION	01/01	to 12/31	0.12 CFS	
DIVERSION TO STORAGE	01/01	to 12/31	0.12 CFS	

5. Total quantity to be appropriated is: 0.20 CFS 3.5 AF

6. Proposed diverting works:

POINT OF DIVERSION #1

- a. Type and size of devices used to divert water from the source:
- b. Height of storage dam _____ feet;
Active reservoir capacity _____ acre-feet;
Total reservoir capacity _____ acre-feet;
- c. Proposed well diameter is _____ inches;
Proposed depth of well is _____ feet.
- d. Is ground water with a temperature of greater than 85F being sought?
- e. If well is already drilled, when? _____;
Drilling Firm _____;
Drilling Permit No. _____.

POINT OF DIVERSION #2

- a. Type and size of devices used to divert water from the source:
- b. Height of storage dam _____ feet;
Active reservoir capacity _____ acre-feet;
Total reservoir capacity _____ acre-feet;
- c. Proposed well diameter is _____ inches;
Proposed depth of well is _____ feet.
- d. Is ground water with a temperature of greater than 85F being sought?
- e. If well is already drilled, when? _____;
Drilling Firm _____;
Drilling Permit No. _____.

**STATE OF IDAHO
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APPLICATION FOR PERMIT

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POINT OF DIVERSION #3

- a. Type and size of devices used to divert water from the source:
- b. Height of storage dam _____ feet;
Active reservoir capacity _____ acre-feet;
Total reservoir capacity _____ acre-feet;.
- c. Proposed well diameter is _____ inches;
Proposed depth of well is _____ feet.
- d. Is ground water with a temperature of greater than 85F being sought?
- e. If well is already drilled, when? _____;
Drilling Firm _____;
Drilling Permit No. _____.

POINT OF DIVERSION #4

- a. Type and size of devices used to divert water from the source:
- b. Height of storage dam _____ feet;
Active reservoir capacity _____ acre-feet;
Total reservoir capacity _____ acre-feet;.
- c. Proposed well diameter is _____ inches;
Proposed depth of well is _____ feet.
- d. Is ground water with a temperature of greater than 85F being sought?
- e. If well is already drilled, when? _____;
Drilling Firm _____;
Drilling Permit No. _____.

POINT OF DIVERSION #5

- a. Type and size of devices used to divert water from the source:
- b. Height of storage dam _____ feet;
Active reservoir capacity _____ acre-feet;
Total reservoir capacity _____ acre-feet;.
- c. Proposed well diameter is _____ inches;
Proposed depth of well is _____ feet.
- d. Is ground water with a temperature of greater than 85F being sought?
- e. If well is already drilled, when? _____;
Drilling Firm _____;
Drilling Permit No. _____.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

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POINT OF DIVERSION #6

- a. Type and size of devices used to divert water from the source:
- b. Height of storage dam _____ feet;
Active reservoir capacity _____ acre-feet;
Total reservoir capacity _____ acre-feet;.
- c. Proposed well diameter is _____ inches;
Proposed depth of well is _____ feet.
- d. Is ground water with a temperature of greater than 85F being sought?
- e. If well is already drilled, when? _____;
Drilling Firm _____;
Drilling Permit No. _____.

POINT OF DIVERSION #7

- a. Type and size of devices used to divert water from the source:
- b. Height of storage dam _____ feet;
Active reservoir capacity _____ acre-feet;
Total reservoir capacity _____ acre-feet;.
- c. Proposed well diameter is _____ inches;
Proposed depth of well is _____ feet.
- d. Is ground water with a temperature of greater than 85F being sought?
- e. If well is already drilled, when? _____;
Drilling Firm _____;
Drilling Permit No. _____.

POINT OF DIVERSION #8

- a. Type and size of devices used to divert water from the source:
- b. Height of storage dam _____ feet;
Active reservoir capacity _____ acre-feet;
Total reservoir capacity _____ acre-feet;.
- c. Proposed well diameter is _____ inches;
Proposed depth of well is _____ feet.
- d. Is ground water with a temperature of greater than 85F being sought?
- e. If well is already drilled, when? _____;
Drilling Firm _____;
Drilling Permit No. _____.

STATE OF IDAHO
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APPLICATION FOR PERMIT

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POINT OF DIVERSION #9

- a. Type and size of devices used to divert water from the source:
- b. Height of storage dam _____ feet;
Active reservoir capacity _____ acre-feet;
Total reservoir capacity _____ acre-feet;.
- c. Proposed well diameter is _____ inches;
Proposed depth of well is _____ feet.
- d. Is ground water with a temperature of greater than 85F being sought?
- e. If well is already drilled, when? _____;
Drilling Firm _____;
Drilling Permit No. _____.

POINT OF DIVERSION #10

- a. Type and size of devices used to divert water from the source:
- b. Height of storage dam _____ feet;
Active reservoir capacity _____ acre-feet;
Total reservoir capacity _____ acre-feet;.
- c. Proposed well diameter is _____ inches;
Proposed depth of well is _____ feet.
- d. Is ground water with a temperature of greater than 85F being sought?
- e. If well is already drilled, when? _____;
Drilling Firm _____;
Drilling Permit No. _____.

POINT OF DIVERSION #11

- a. Type and size of devices used to divert water from the source:
- b. Height of storage dam _____ feet;
Active reservoir capacity _____ acre-feet;
Total reservoir capacity _____ acre-feet;.
- c. Proposed well diameter is _____ inches;
Proposed depth of well is _____ feet.
- d. Is ground water with a temperature of greater than 85F being sought?
- e. If well is already drilled, when? _____;
Drilling Firm _____;
Drilling Permit No. _____.

**STATE OF IDAHO
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POINT OF DIVERSION #12

- a. Type and size of devices used to divert water from the source:
- b. Height of storage dam _____ feet;
Active reservoir capacity _____ acre-feet;
Total reservoir capacity _____ acre-feet;.
- c. Proposed well diameter is _____ inches;
Proposed depth of well is _____ feet.
- d. Is ground water with a temperature of greater than 85F being sought?
- e. If well is already drilled, when? _____;
Drilling Firm _____;
Drilling Permit No. _____.

POINT OF DIVERSION #13

- a. Type and size of devices used to divert water from the source:
- b. Height of storage dam _____ feet;
Active reservoir capacity _____ acre-feet;
Total reservoir capacity _____ acre-feet;.
- c. Proposed well diameter is _____ inches;
Proposed depth of well is _____ feet.
- d. Is ground water with a temperature of greater than 85F being sought?
- e. If well is already drilled, when? _____;
Drilling Firm _____;
Drilling Permit No. _____.

7. Time required for the completion of the works and application of the water to the proposed beneficial use is 5 year(s).

8.

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
49N 03W 10		2.5			11.0												13.5
		1.5															1.5
		L9															
		L2															

Total Acres: 15

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PLACE OF USE: FISH HABITAT STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
49N 03W 10	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
					X												

PLACE OF USE: RECREATION STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
49N 03W 10	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
					X												

PLACE OF USE: RECREATION

Twp Rge Sec	NE				NW				SW				SE				Totals
49N 03W 10	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
					X												

9a. Who owns the property at the point of diversion? If other than applicant, describe the arrangement enabling the applicant to make this filing.

APPLICANT

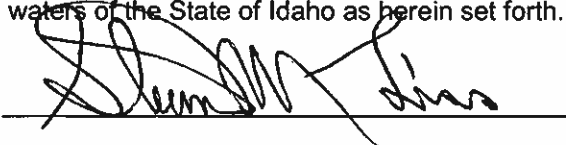
9b. Who owns the land to be irrigated or place of use? If other than applicant, describe the arrangement enabling the applicant to make this filing.

APPLICANT

10. Remarks:

11. Map of proposed point of diversion and place of use attached? ☐

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.



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Received by am Date 5-27-10 Time _____ Preliminary check by _____
Publication prepared by am Date _____ Published in _____
Publication approved _____ Date _____

Receipt No. NO 24545
Date: 5-27-10
Received by: am

SURFACE AREA (SQFT)

AVERAGE DEPTH (FT)

FILL OR REFILL RATE (CFS)

USE 0 IF FILLED NATURALLY FROM GW
TOTAL DOMESTIC RATE CANNOT EXCEED 0.04 CFS
FOR PART B DOMESTIC*

POND SIZE 0.22 AF
CAPACITY 9720 CUFT
72706 G

CONVERT TO GPD 72706 GPD

REFERENCE EXAMPLE:
ESTIMATED NUMBER OF DAYS
TO FILL BASED ON PROVIDED
INPUTS

0.94 DAYS
23 HR

EVAPORATION (IN/DAY)

IF UNKNOWN, USE REFERENCE ETpk80 FROM ABOVE

CONVERT TO GPD 202 GPD

EVAPORATION (GPYper year)

0.22624 AF

0.15186 AFPY AT 245 DAY IN THE YEAR

SEEPAGE RATE (FT/DAY)

SUGGESTED VALUES FOR DIFFERENT SOIL TYPES:

CONVERT TO GPD 485 GPD

SEEPAGE RATE (GPY per year) 172554.6

0 = NATURALLY FILLED FROM GW, OR LINED

SEEPAGE RATE (AF PER YEAR) 0.529552 AF

0.5 = CLAY SOILS

1.5 = LOAMS

3.0 = GRAVELS

FLOW-THROUGH (CFS)
(REFRESH RATE)

TOTAL DOMESTIC RATE CANNOT EXCEED 0.04 CFS
FOR PART B DOMESTIC*

CONVERT TO GPD 0 GPD

SURFACE AREA (SQFT) ----- 7175

AVERAGE DEPTH (FT) ----- 3.00

FILL OR REFILL RATE (CFS) ----- 0.12

USE 0 IF FILLED NATURALLY FROM GW
TOTAL DOMESTIC RATE CANNOT EXCEED 0.04 CFS
FOR PART B DOMESTIC*

POND SIZE ----- 0.49 AF
CAPACITY ----- 21525 CUFT
161007 G

CONVERT TO GPD ----- 77553 GPD

REFERENCE EXAMPLE:
ESTIMATED NUMBER OF DAYS
TO FILL BASED ON PROVIDED
INPUTS ----- 2.08 DAYS
50 HR

EVAPORATION (IN/DAY) ----- 0.1

IF UNKNOWN, USE REFERENCE ET_{pk80} FROM ABOVE

CONVERT TO GPD ----- 447 GPD

EVAPORATION (GPY per year) ----- 163253.8

0.501009 AF

0.336294 AF PY AT 245 DAY IN THE YEAR

SEEPAGE RATE (FT/DAY) ----- 0.02

SUGGESTED VALUES FOR DIFFERENT SOIL TYPES:

CONVERT TO GPD ----- 1073 GPD

SEEPAGE RATE (GPY per year) ----- 382123.3

0 = NATURALLY FILLED FROM GW, OR LINED

SEEPAGE RATE (AF PER YEAR) ----- 1.172697 AF

0.5 = CLAY SOILS

1.5 = LOAMS

3.0 = GRAVELS

FLOW-THROUGH (CFS) ----- 0
(REFRESH RATE)

TOTAL DOMESTIC RATE CANNOT EXCEED 0.04 CFS
FOR PART B DOMESTIC*

CONVERT TO GPD ----- 0 GPD

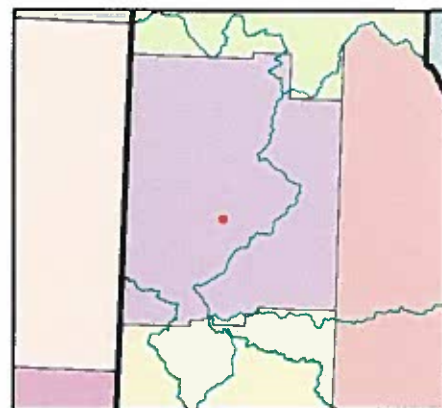


Idaho Department of Water Resources

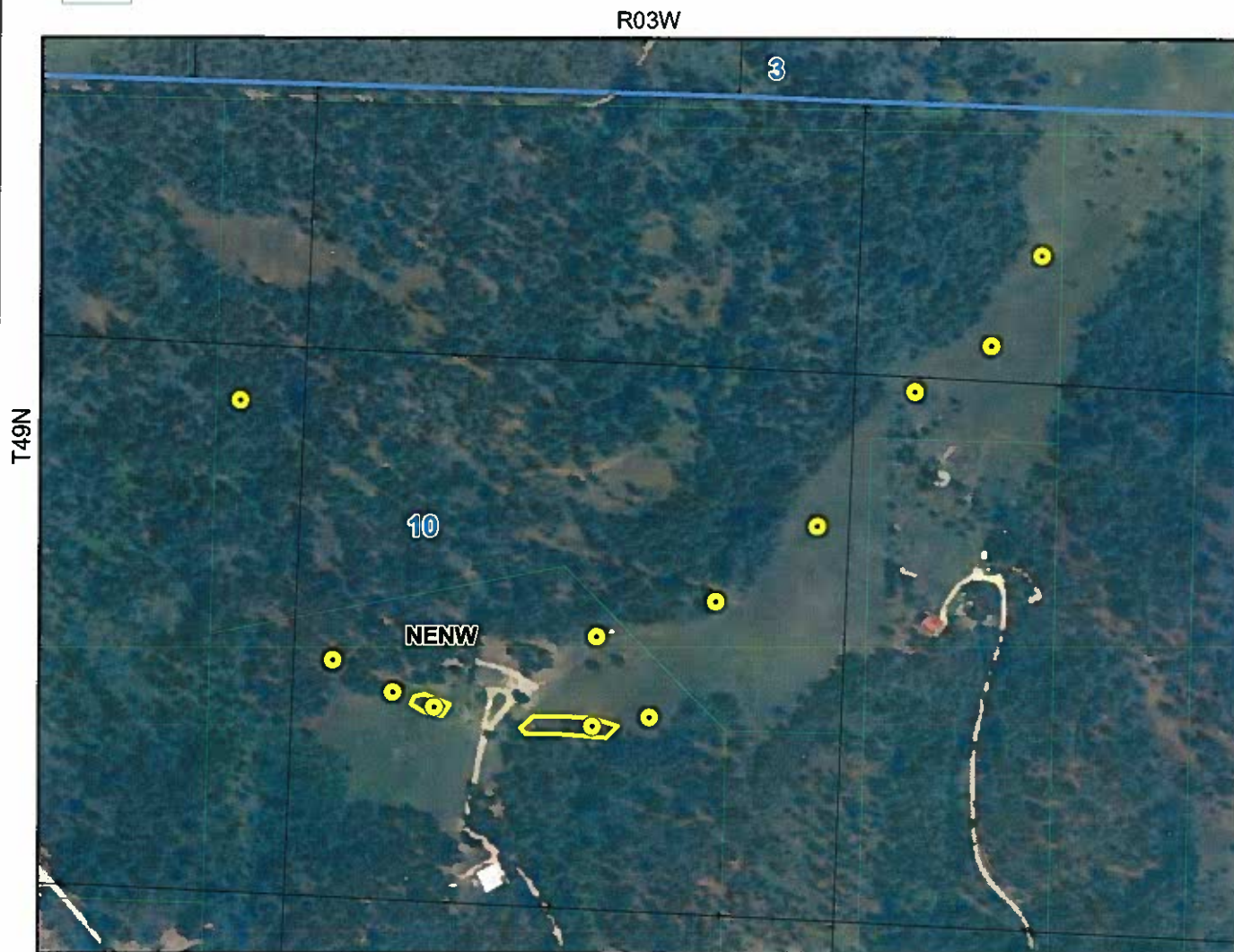
Application
95-12628
(RECREATION STORAGE)

Legend

- Point of Diversion
- Place of Use
- State Outline
- Townships
- PLS Sections
- Quarter Quarters
- Taxlots



Kootenai County
IDWR Basin 95



Prepared by Eric Davis
On May 28, 2010
2004 Aerial Photography

0 0.05 0.1 0.2
Miles

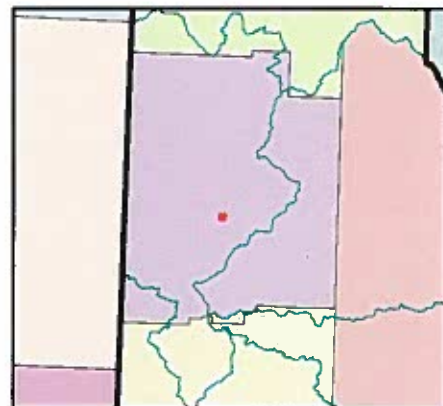


Idaho Department of Water Resources

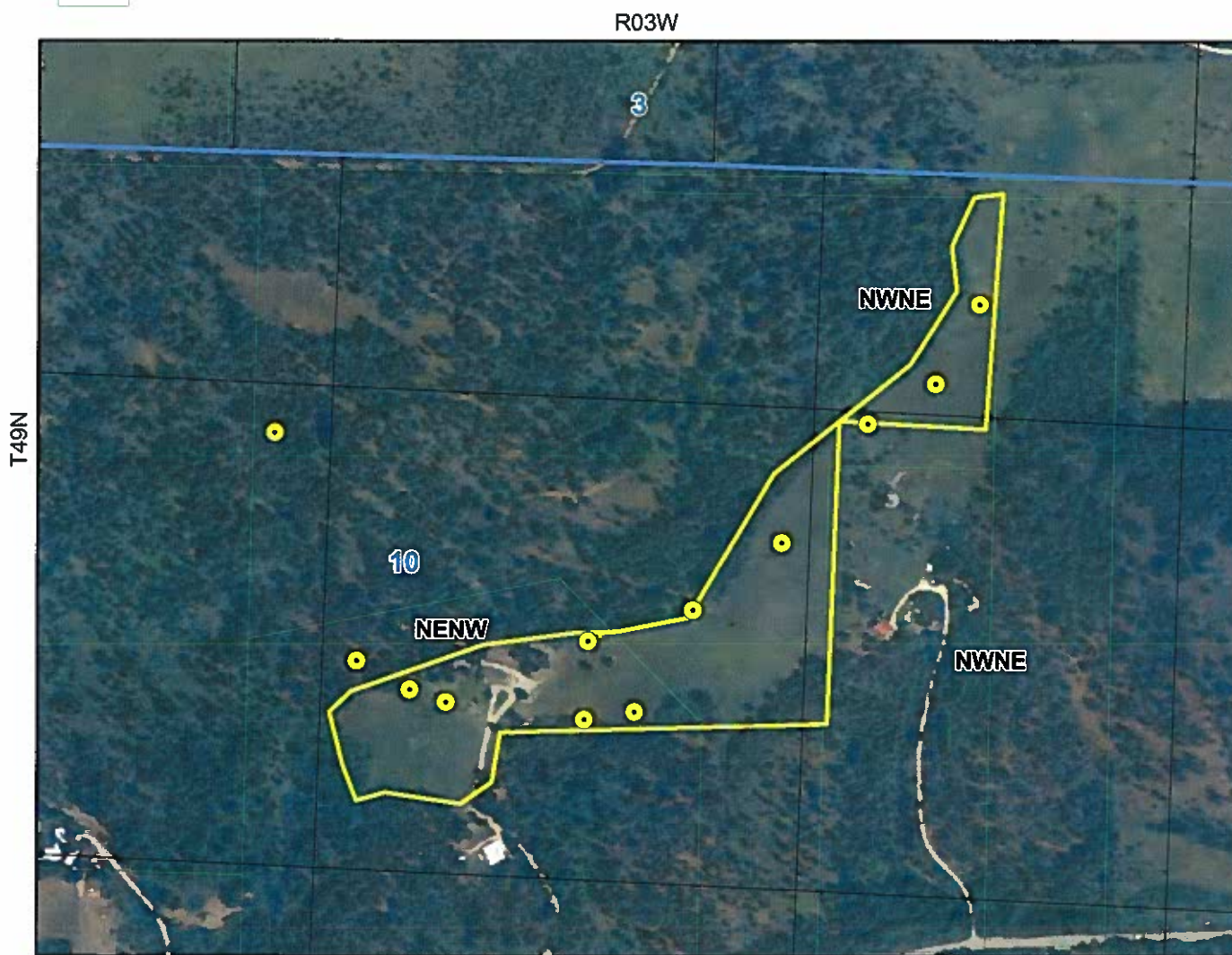
Application
95-12628
(IRRIGATION)

Legend

- Point of Diversion
- Place of Use
- State Outline
- Townships
- PLS Sections
- Quarter Quarters
- Taxlots



Kootenai County
IDWR Basin 95



Prepared by Eric Davis
On May 28, 2010
2004 Aerial Photography

0 0.1 0.2 0.4 Miles



49N03W10NWNW

Lot 4

49N03W10NENW

Lot 3

49N03W10NWNE

Lot 2

49N03W10NWNW

49N03W10NENW

49N03W10NWNE

Lot 1

49N03W10SWNW

49N03W10NWNW