

80200

Ident. No.

96-9573

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
To appropriate the public waters of the State of Idaho

RECEIVED
JUN 22 2015
IDW 27-4053
SANDPOINT NORTH

1. Name of applicant(s) Andreas & Rebecca Nicolades Phone 208-277-4053
 Name connector (check one): ☐ and ☐ or ☒ and/or
 Mailing address 71 Vedelwood Lane City Sandpoint
 State Idaho Zip 83864 Email kiwisami2@optonline.net
2. Source of water supply Sand Creek which is a tributary of Pend Oreille River
3. Location of point(s) of diversion:

TWP	RGE	SEC	Govt Lot	1/4	1/4	1/4	County	Source	Local name or tag #
57N	2W	3		NE	SE		Bonner	Sand Creek	

4. Water will be used for the following purposes:
- Amount 0.12 cfs for Irrigation purposes from 4/1 to 10/31 (both dates inclusive)
 (cfs or acre-feet per year)
- Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)
- Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)
- Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)
5. Total quantity to be appropriated is (a) 0.12 cubic feet per second (cfs) and/or (b) _____ acre feet per year (af).
6. Proposed diverting works:
- a. Describe type and size of devices used to divert water from the source. A screened (less than 1/4" mesh) 1 1/2" pipe is proposed to draw water from the stream using a 2 horse power pump.
- b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11. For dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☐ No
- c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet.
- d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☐ No
- e. If well is already drilled, when? _____; drilling firm _____;
 well was drilled for (well owner) _____; Drilling Permit No. _____
7. Description of proposed uses (if irrigation only, go to item 8):
- a. Hydropower; show total feet of head and proposed capacity in kW. _____
- b. Stockwatering; list number and kind of livestock. _____
- c. Municipal; complete and attach the [Municipal Water Right Application Checklist](#).
- d. Domestic; show number of households _____
- e. Other; describe fully. _____

8. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below.
See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
57N	2W	3													4				4

Total number of acres to be irrigated: 4

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping?
The intended purpose is to irrigate areas of lawn, gardens and other landscaping.

10. a. Who owns the property at the point of diversion? Andreas & Rebecca Nicolades
- b. Who owns the land to be irrigated or place of use? Andreas & Rebecca Nicolades
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing:

11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary.

We propose to draw water from Sand Creek by extracting it with a 2 horse power pump connected to a 1 1/2" pipe with a screened intake. The screened intake will be less than 1/4" mesh in order to protect fish.

12. Time required for completion of works and application of water to proposed beneficial use is 1 years (minimum 1 year).

13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8 1/2" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

Signature of Applicant

ANDREAS P. NICOLADES
Print Name (and title, if applicable)

Signature of Applicant

Rebecca A. Nicolades
Print Name (and title, if applicable)

For Department Use:

Received by _____ Date _____ Time _____ Preliminary check by _____

Fee \$ 100.00 Received by NBending Receipt No. NB31307 Date 10-23-15

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Appendix – A
STREAM FLOW & IRRIGATION CALCULATIONS

Name of Applicant: Andreas & Rebecca Nicolades

Mailing Address: 71 Vedelwood Lane, Sandpoint, ID 83864

Source of Water Supply: Sand Creek is a tributary of the Pend Oreille River

Township: 57N, Range: 2W, Section: 3

Water Flow of Sand Creek:

Average Stream Width = 244 inches

Average Stream Depth = 16 inches

$244'' \times 16'' = 3,904$ square inches (si)

$3,904 \text{ si} / 144 \text{ (si)} = 27.11$ square feet (sf)

Visual flow rate = 1 feet per second (fps)

$27.11 \text{ sf} \times 1 \text{ fps} = 27.11$ cubic feet per second (cfs)

Stream bed friction correction factor of 0.85

$27.11 \text{ cfs} \times 0.85 = 23.04 \text{ cfs}$ or 16,680 acre feet per year

Irrigation Volume:

$4 \text{ acres} \times 0.03 \text{ cfs} = 0.12 \text{ cfs}$

Prepared By:



phone: 208.610.9853 address: PO Box 711, Sagle, Idaho 83860

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Appendix – B

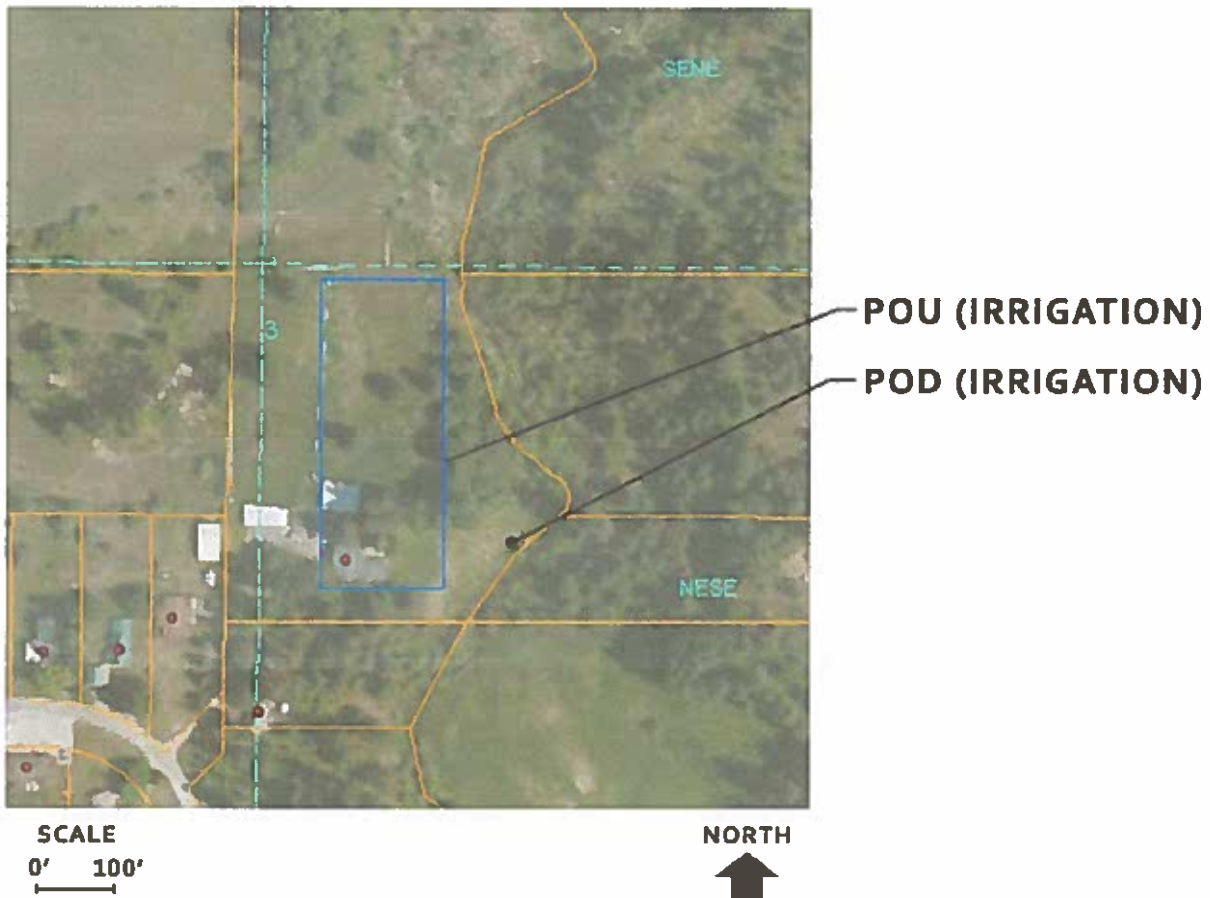
MAP of PROPOSED PROJECT – IRRIGATION

Name of Applicant: Andreas & Rebecca Nicolades

Mailing Address: 71 Vedelwood Lane, Sandpoint, ID 83864

Source of Water Supply: Sand Creek is a tributary of the Pend Oreille River

Township: 57N, Range: 2W, Section: 3



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