

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-22953

Exam Date: 1/4/2012

1. Current Owner: GEORGE E COLWELL and/or CHERYL F COLWELL
3990 HWY 52
PAYETTE ID 83661
(208)278-3448

2. Accompanied by: George Colwell
Phone No: (208)278-3448 and (541) 898-2863
Address: same as above
Relationship to Permit Holder: self

3. SOURCE TRIBUTARY
UNNAMED DRAIN SNAKE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None. Other water rights that show up in some of the same QQs are: 65-72 Washoe Irrigation; 3-4008B (different POU/POD and owner); The following water rights are all owned by the same owner/same address: 3-10192 stockwater (George Colwell, Snake River source 3/1-11/15, for 0.05 cfs, decreed 12/12/2007), 3-10015 stockwater (C/C LLC, Snake River source, Decreed); 3-2000 irrigation/stockwater (c/c LLC, Snake River source, Decreed); 3-4009 irrigation (C/C LLC, Snake River source; Decreed); and 3-4008A irrigation (C/C LLC, Snake River); 3-7044 irrigation (C/C LLC, Snake River source, licensed); **65-22952, 65-22949 and 65-22950 are unnamed drain/stockwater (these are for different drains, and has different "check structures" that act as the PODs).**

2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

UNNAMED DRAIN	L5 NW1/4SW1/4	Sec. 32,	Twp 09N,	Rge 05W, B.M.	PAYETTE County
UNNAMED DRAIN	L5 NW1/4SW1/4	Sec. 32,	Twp 09N,	Rge 05W, B.M.	PAYETTE County
UNNAMED DRAIN	NW1/4NW1/4	Sec. 32,	Twp 09N,	Rge 05W, B.M.	PAYETTE County
UNNAMED DRAIN	NE1/4NW1/4	Sec. 32,	Twp 09N,	Rge 05W, B.M.	PAYETTE County

Method of Determination: Garmin GPS Map 76S, 2009, 2011 ArcMap, and maps drawn by George Colwell at the time of the B/U field examination.

2.

PLACE OF USE: Twp Rge Sec		STOCKWATER																Totals
		NE				NW				SW				SE				
NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE			
09N	05W	32					X							X				
																	L 5	

Method of Determination: Garmin GPS Map 76S, 2009, 2011 ArcMap, and maps drawn by George Colwell at the time of the B/U field examination.

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
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Unnamed Drain with (4) 4 ft "check structures," which act as a point of diversion (a board can be placed within the check to alter the level of the water in the drain but not enough to cause storage within the drain). The system is entirely gravity flow.

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1. Measurements:

Due to "Check Structure" #1 and #2 (4 FT) being fully submerged by high water from the Snake River, and "Check Structure" #3 (4 FT) having too insignificant F/D factor to calculate, "Check Structure #4 (4 ft) was measured and averaged, to indicate that there would be the capacity even at each POD.

POD #4 "Check Structure":

#1 + 2 high water, unnamed to measure

#3 D 48" 24" at FE, full or overflowing in summer

#4 D 48" 16" F (high H₂O) 36" F @ time of FE
↓ .5 L

$$F/D = .333 \times 100 = 33.33\%$$

$$GPM = D^2 L \times (F/D \text{ factor}) = [(1.7175) \times 48^2 \times .5] \times .00223 = 1.84 \text{ cfs} = 0.46 \text{ cfs} / 4 \text{ check structures}$$

Administrative Memo #3 recommends for 401 – 500 head cattle: 0.12 cfs

RECOMMEND: 0.12 cfs as permitted

E. VOLUME CALCULATIONS (BASED ON NUMBER HEAD OF CATTLE, SINCE THERE IS NO STORAGE)

1. Volume Calculations for Stockwater:

$$V_{I.R.} = (500 \text{ head} \times 12 \text{ gpd} \times 365 \text{ days}) / 325,850 = 6.7 \text{ af}$$

$$V_{D.R.} = [0.12 \text{ cfs}] \times (365 \text{ Days}) \times 1.9835 = 86.9 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 6.7 \text{ af}$$

Administrative Memo #3 recommends for 401 – 500 head cattle: 6.7 af

RECOMMEND: 6.7 af

F. NARRATIVE/REMARKS/COMMENTS

There are (4) PODs that are a 4 ft check structures in the unnamed drain to moderately check up flow. This does not rise to the level to be considered pond storage. Although water will not be diverted out of the ditch nor stored in each ditch, additional of check structures allows the Point of Diversion to be the check structures, and the Place of Use to be the ditches upstream from each check structure. The flow in the ditch during the irrigation season is higher due to additional flow from Washoe Irrigation. At the time of the field examination, flow in the ditch is made up from seepage (since the ditches were originally dug for drawing off water from the fields), waste water, and some back flow off the Snake River. At the time of the exam, there were 2 check structures (#1 and #2) which were submerged with high water from the Snake River so no physical measurement could be taken. Check #3 was 2 feet full, with historical flows showing that it was full or overflowing. Check #4 was 1 foot high, with historical flows being 16 inches from the top. The drains are at full capacity during the summer time. No water is diverted from the drain, since the 500 head cattle drink directly from the unnamed drain. The unnamed drain is the POU.

The location where POD #4 is, is owned by Robert Stewart Trust, PO Box 33972, Reno, NV 89533, physical address is west of 9576 Draper Rd., Payette, ID. PODs #1-3 are along the Snake River and do not show a name for an owner, although property to the east of the unnamed drain shows Smoke Ranch LP 3990 Hwy 52, Payette, ID 83661 as the current owner (confirmed by 5/13/2013 updated Tax Lot Information).

Have conditions of permit approval been met? ☒ Yes ☐ No

G. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
STOCKWATER	01/01 to 12/31	0.120 CFS	6.70 AF
<u>Totals:</u>		0.120 CFS	6.70 AF

2. Recommended Amendments

☒ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

H. AUTHENTICATION

Field Examiner's Name

Gandy Hernimway

Date

1/8/2014

Basin	Sequence	Suffix	Process	Basis	Status	Draft	RightID	Priority	Date	Diversion	Rate	Source List	Water Use List	Current Owner
3	4008	A	Water Right	Decreed	Active	N	592356	6/1/1954		5.500		SNAKE RIVER	IRRIGATION	C/C LLC
3	10015		Water Right	Decreed	Active	N	222100	11/20/1905		0.020		SNAKE RIVER	STOCKWATER	C/C LLC
3	10192		Water Right	Decreed	Active	N	601772	6/1/1954		0.050		SNAKE RIVER	STOCKWATER	COLWELL, GEORGE E
65	22953		Water Right	License	Active	Y	649788	9/11/2003		0.120		UNNAMED DRAIN	STOCKWATER	COLWELL, CHERYL F; COLWELL, GEORGE E

} all owned
by George
Colwell

T9N R5W Section 32 NWNW

NO POU or POD Overlaps, since the Unnamed Drains are the POU & the Checks are the PODS

Basin	Sequence	Suffix	Process	Basis	Status	Draft	RightID	Priority	Date	Diversion	Rate	Source List	Water Use List	Current Owner
3	2000		Water Right	Decreed	Active	N	592421	11/20/1905		1.500		SNAKE RIVER	IRRIGATION	S/C/C LLC
3	4008	A	Water Right	Decreed	Active	N	592356	6/1/1954		5.500		SNAKE RIVER	IRRIGATION	C/C LLC
3	4009		Water Right	Decreed	Active	N	613251	7/1/1954		1.100		SNAKE RIVER	IRRIGATION	C/C LLC
3	10015		Water Right	Decreed	Active	N	222100	11/20/1905		0.020		SNAKE RIVER	STOCKWATER	C/C LLC
3	10192		Water Right	Decreed	Active	N	601772	6/1/1954		0.050		SNAKE RIVER	STOCKWATER	COLWELL, GEORGE E
65	72		Water Right	Decreed	Active	N	401556	10/9/1895		39.990		PAYETTE RIVER	IRRIGATION	WASHOE IRRIGATION & WATER POWER C
65	22952		Water Right	License	Active	N	649786	9/11/2003		0.120		UNNAMED DRAIN	STOCKWATER	COLWELL, CHERYL F; COLWELL, GEORGE E
65	22953		Water Right	License	Active	Y	649788	9/11/2003		0.120		UNNAMED DRAIN	STOCKWATER	COLWELL, CHERYL F; COLWELL, GEORGE E

} Colwell

} Colwell

T9N R5W Section 32 NENW

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Also, they are different drains.

Basin	Sequence	Suffix	Process	Basis	Status	Draft	RightID	Priority	Date	Diversion	Rate	Source List	Water Use List	Current Owner
3	7044		Water Right	License	Active	Y	656259	11/25/1991		1.000		SNAKE RIVER	IRRIGATION	C/C LLC
65	72		Water Right	Decreed	Active	N	401556	10/9/1895		39.990		PAYETTE RIVER	IRRIGATION	WASHOE IRRIGATION & WATER POWER C
65	22949		Water Right	License	Active	N	649783	9/11/2003		0.120		UNNAMED DRAIN	STOCKWATER	COLWELL, CHERYL F; COLWELL, GEORGE E
65	22950		Water Right	License	Active	Y	649784	9/11/2003		0.120		UNNAMED DRAIN	STOCKWATER	COLWELL, CHERYL F; COLWELL, GEORGE E

> Colwell

> Colwell

T9N R5W Section 32 SWNW

NO POU or POD Overlaps, since the Unnamed Drains are the POU & the Checks are the PODS
Also, they are different drains.

Basin	Sequence	Suffix	Process	Basis	Status	Draft	RightID	Priority	Date	Diversion	Rate	Source List	Water Use List	Current Owner
3	4008	A	Water Right	Decreed	Active	N	592356	6/1/1954		5.500		SNAKE RIVER	IRRIGATION	C/C LLC
3	4008	B	Water Right	Decreed	Active	N	592391	6/1/1954		0.480		SNAKE RIVER	IRRIGATION	STEWART, MARJORIE V; STEWART, ROBERT
3	10015		Water Right	Decreed	Active	N	222100	11/20/1905		0.020		SNAKE RIVER	STOCKWATER	C/C LLC
3	10192		Water Right	Decreed	Active	N	601772	6/1/1954		0.050		SNAKE RIVER	STOCKWATER	COLWELL, GEORGE E
65	72		Water Right	Decreed	Active	N	401556	10/9/1895		39.990		PAYETTE RIVER	IRRIGATION	WASHOE IRRIGATION & WATER POWER C
65	22953		Water Right	License	Active	Y	649788	9/11/2003		0.120		UNNAMED DRAIN	STOCKWATER	COLWELL, CHERYL F; COLWELL, GEORGE E
65	23285		Water Permit		Active	N	618694	1/30/2006		0.120		UNNAMED DRAIN	STOCKWATER	COLWELL, CHERYL F; COLWELL, GEORGE E

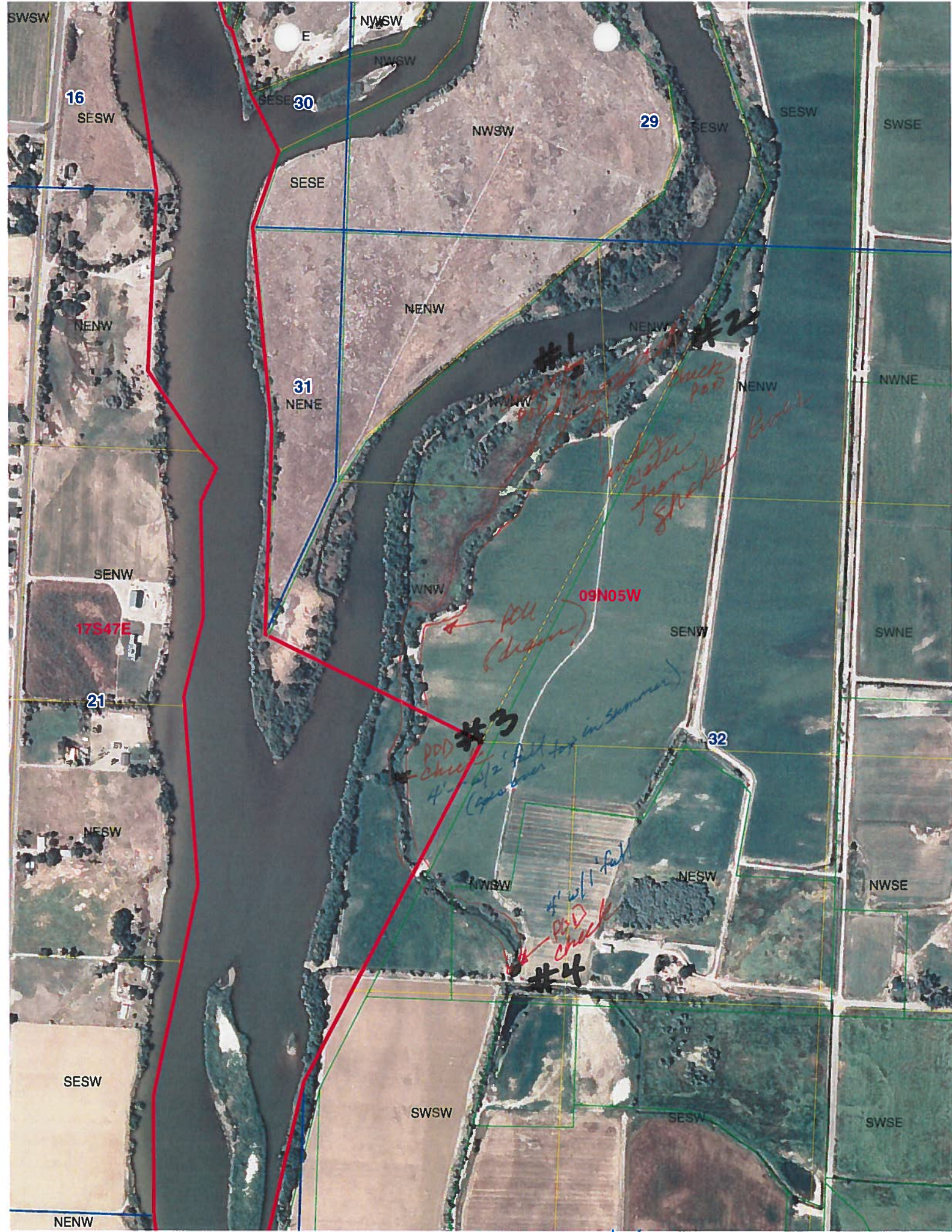
> Colwell

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T9N R5W Section 32 NWSW5

NO POU or POD Overlaps, since the Unnamed Drains are the POU & the Checks are the PODS
Also, they are different drains.



1-5-1952

1/4/2012

S. H. Morrison

Hemenway, Sandy

From: Ciscell, Michael
Sent: Thursday, January 02, 2014 2:26 PM
To: Hemenway, Sandy
Subject: RE: I need help with the attached map (#3 does not have a legal), for water right 65-22953

There are a few spots where the PLS is a hole. I'd call it 09N05W32 Lot 5.

From: Hemenway, Sandy
Sent: Thursday, January 02, 2014 2:01 PM
To: Ciscell, Michael
Subject: I need help with the attached map (#3 does not have a legal), for water right 65-22953
Importance: High

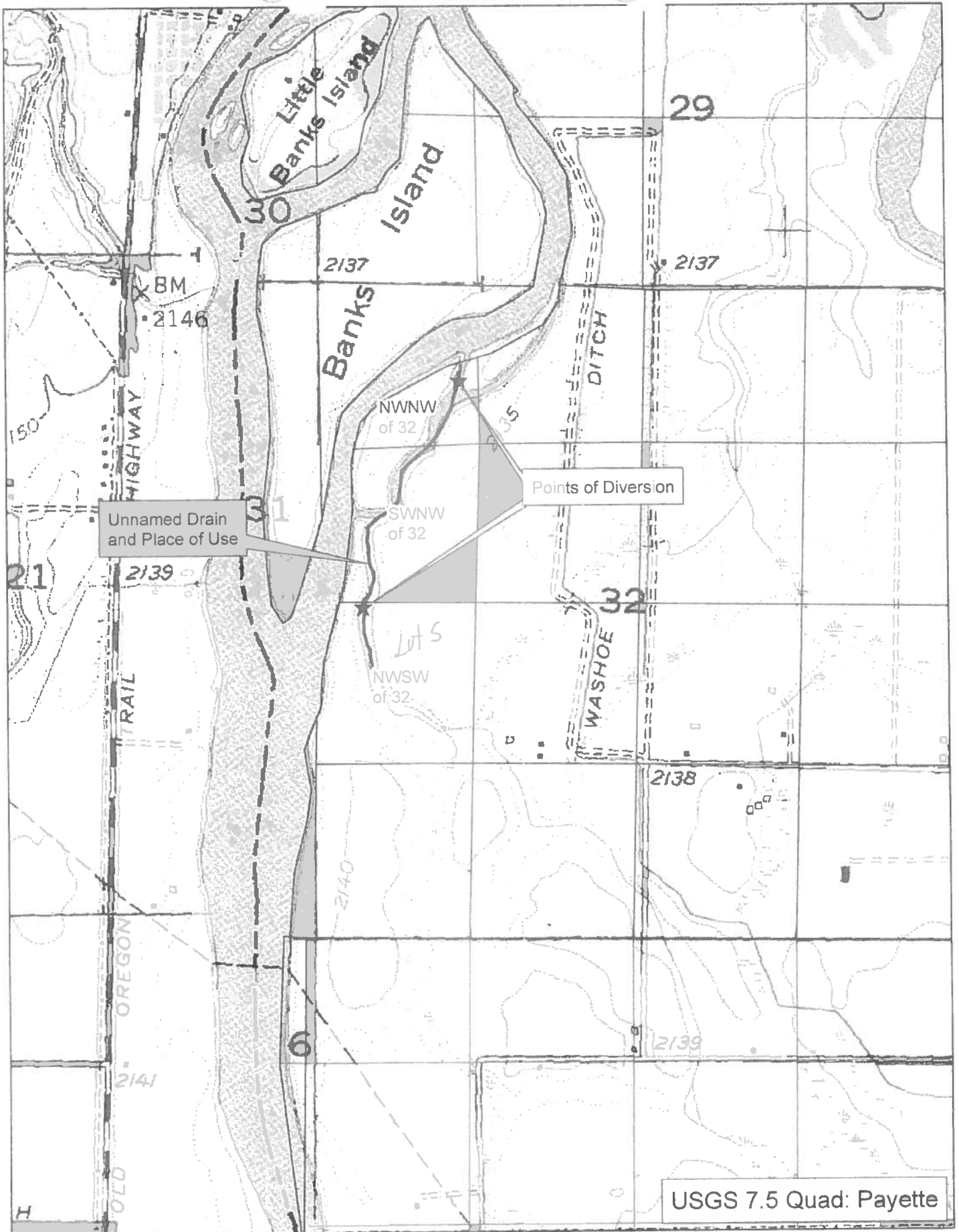
Hi Michael,

#3 on the attached map, is where the black dot is located to the left of the word: "check"

Is there a legal for it, since when I went to update the PLS it said there wasn't one?

Thanks,

Sandy



govt. Lots UNCERTAIN W 1/2 NW 1/4 . fr 8/20/05

65-22953



#4
POD
4'
culvert
w/1'
water
now,
+
historical
water
marks
being
16" from
the top
During
summer
it is at
full
capacity



POU
stockpile
in the
drain
(unnamed
drain)

65-22953

S. Hemerway



(#3)
 — POD
 4'
 check
 w/ 2'
 full,
 goes over
 top in
 summer



POD
 (#1+2)
 2 POD:
 checks
 under
 water +
 ice
 from
 the
 Snake
 River

65- 72953

S. Hemerway



500 head
livestock
that are
moved
around.

65-22953

S. Hemerway