

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

Copy for your records

A. GENERAL INFORMATION

Permit No. 29-7730

1. Owner: Fuhrman Ranch Inc. Phone No. 897-5568

Current Address: 997 E Richards Rd., Downey, ID 83234

2. Accompanied by: Rick Fuhrman EXAM DATE: 6-28-00

Address: _____ Phone No. _____

Relationship to Permit Holder: Same

3. Source: Marsh Creek tributary to _____

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 29-2295B 29-4381

2. Other water rights with the same point of diversion: 29-2295B 29-4381

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

R062818A

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		NE	SW	NE	11	11S	36E	Bannock	GPS on site

2. Place(s) of Use:

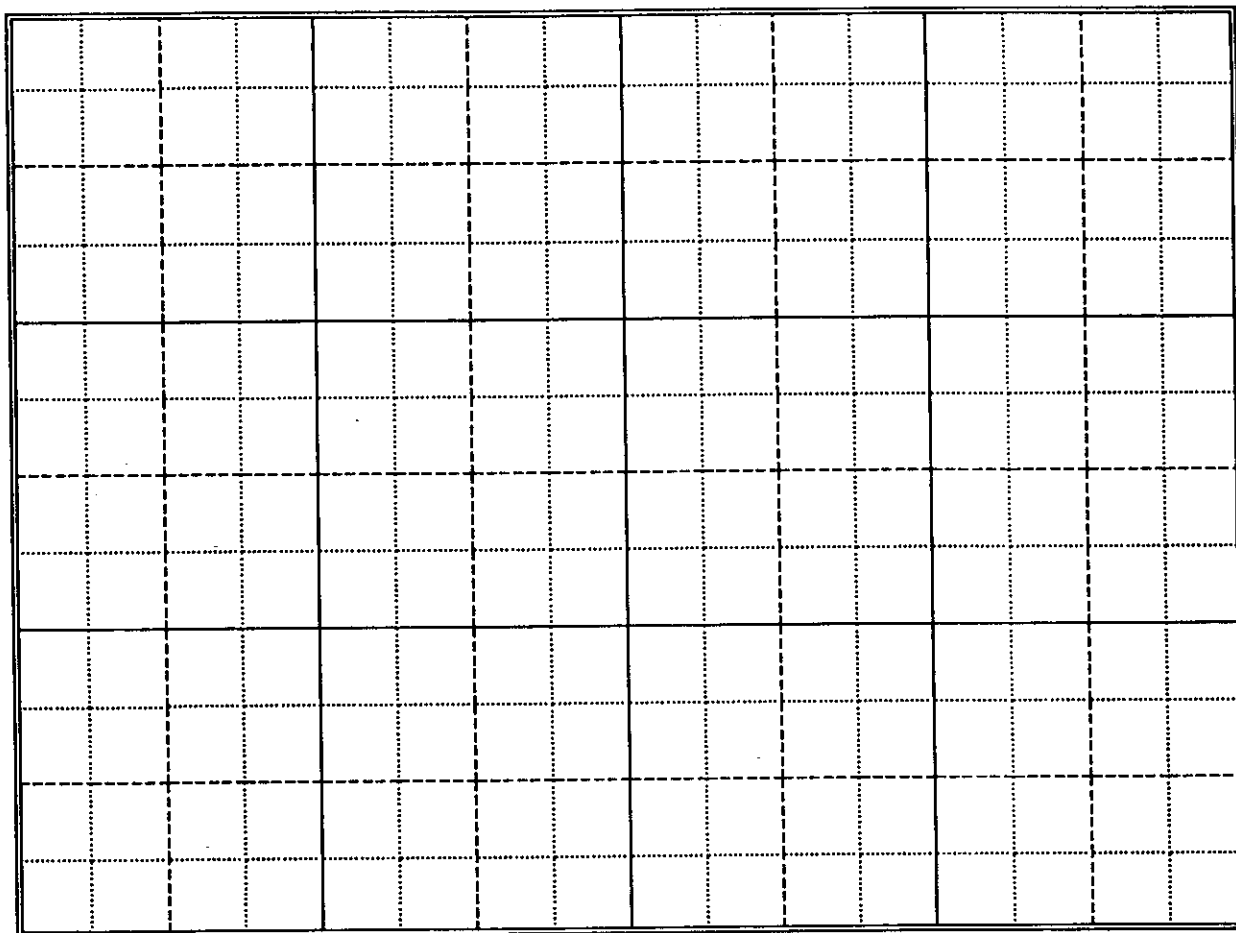
Aerial Photo Permissible Place of Use

Indicate Method of Determination On Site

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
11S	36E	11	4	35	24					11									74

29-7730

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = _____

____ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

____ Aerial Photo Attached (required for irrigation of 10+ acres)

____ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Holloshaft	50	CC1006986	Peerless	224089

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements:

8" mainline .116 in thick - couldn't get reading <<29-7730>>
 .055 4" Alum. 284 gpm observed 33 birds
 8" mainline Alum. .064 266 gpm 33 birds
 550 gpm birds are rated at 7 1/2 gallons each

E. NARRATIVE/REMARKS/COMMENTS

Overlap 29-2295 B for 30 acres

Water is pumped from Marsh Creek to 8" mainline to wheel and handlines to approximately 65 acres.

A portion of land has been irrigated from time to time in the aerial photo labeled with a letter A. This land is best used in wet years according to Mr. Fuhrman. He is not irrigating it this year.

The sonic meter wouldn't pick up a signal on the mainline near the POC. Two wheel lines were running at the time with a total of 66 7 1/2 gallon rated birds. The lower wheel line showed a reading of 284 gallons per min.

The upper line read 266 gpm. Both readings on the sonic at the wheel line locations were ideal mounting with stable readings. The logger wouldn't log. Probably something I was doing wrong.

* NOTE: It appears that Mr. Fuhrman outlined only those acres that are being irrigated this year, not what has historically irrigated. Therefore recommend Permissible Place of Use 38 acres within 74 acres

** NO MEASURING DEVICE

* 10/30/2001 Mr. Fuhrman came into office & agreed that the area he outlined was only the acres he was irrigating in 2000 not historical acres

** Have conditions of permit approval been met? ☐ yes ☒ no

<29-7730>

F. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

$$Q_{\text{THEORETICAL}} = 66 \text{ sprinklers} (7.5 \text{ gpm}) = 495 \text{ gpm}$$

Measured Q

$$Q = 550 \text{ gpm} = 1.23 \text{ cfs}$$

$$Q_{\text{LIMITED BY PERMIT}} = 0.76 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 38(3.5) = 133.0 \text{ afc}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 0.76 \text{ cfs} (214) 1.9835 = 322.6$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 133.0$$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
IRRIGATION	4/1	11/1	0.76 cfs	133.0
Totals:			0.76 cfs	133.0

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

Permissible Place of Use

Keith C Wilson (10-4-2001)

I. AUTHENTICATIONField Examiner's Name Steve Mueller Date 6-28-00

Reviewer _____ Date _____

SEAL

<29-7730>

SCANNED

MAY 24 2001

Log for claim A29-07730

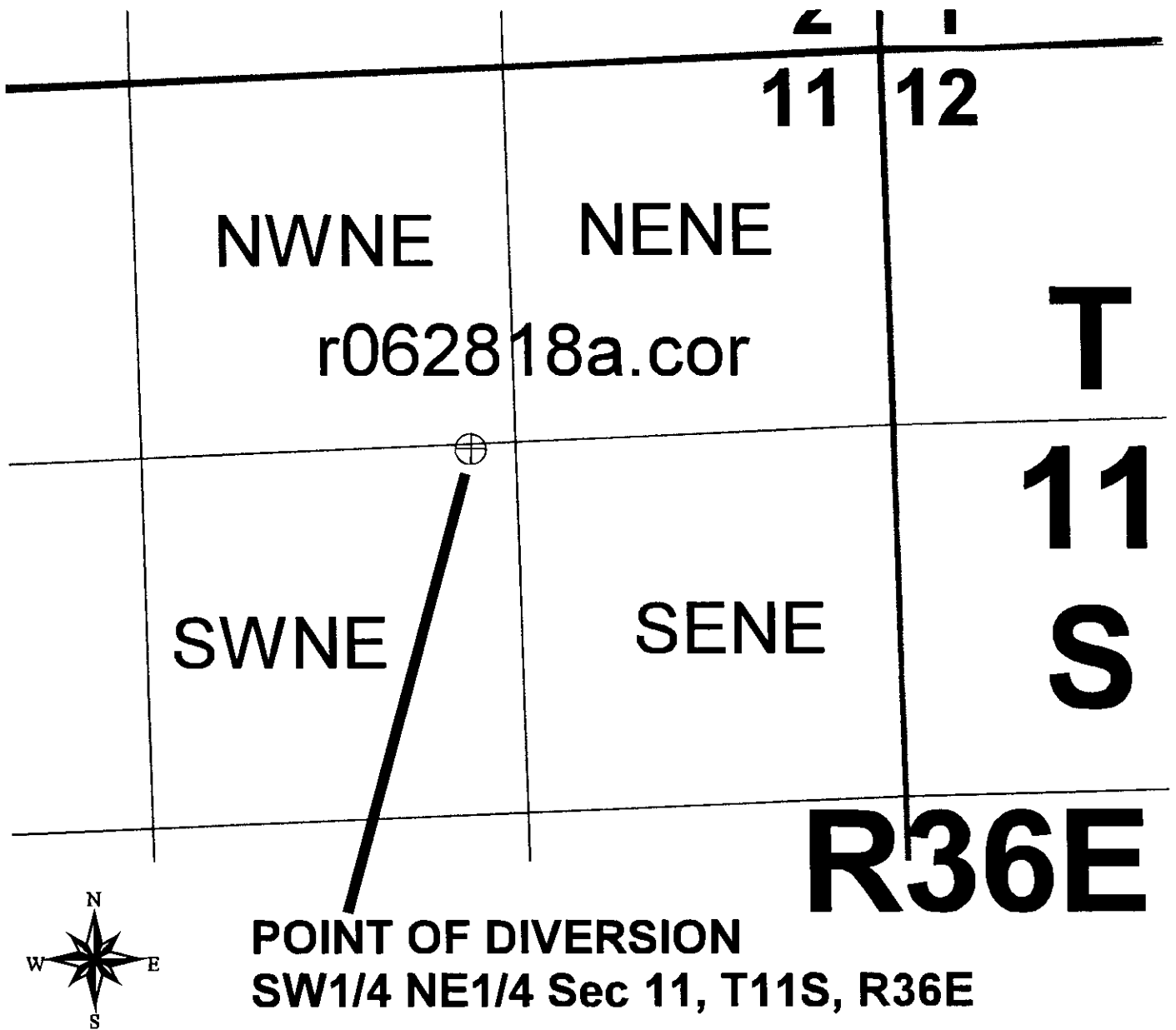
Spatial Dynamics TWB

6/1/00

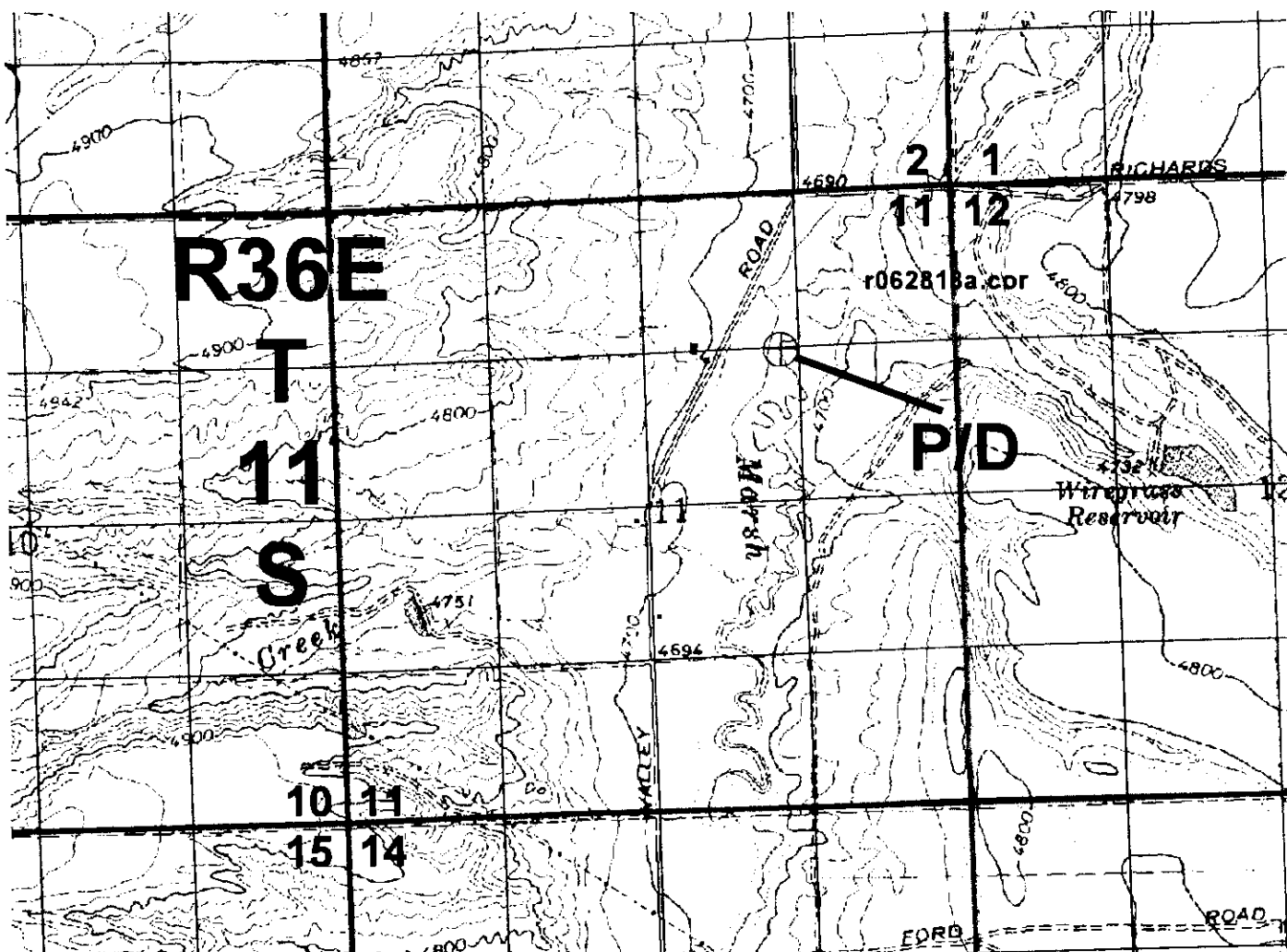
TR	SEC	QQ	Acres Claimed	Acres Found	COMMENT
11s36e	11	NENE	4	4.3	> USE TOTAL ACRES = 74.0ac
11s36e	11	NWNE	31	35	
11s36e	11	SWNE	24	24	
11s36e	11	SENE	6	11	
~~11s36e~~	~~11~~	~~SENE~~	~~21~~	~~24~~	
~~11s36e~~	~~14~~	~~NENE~~	~~20~~	~~22~~	
~~11s36e~~	~~14~~	~~SENE~~	~~24~~	~~28~~	
Totals:			130	148.3	

 SPATIAL
DYNAMICS

29-07730



29-07730



POINT OF DIVERSION

29-07730

29-07730

R36E

T
11
S

VA

OUT

POINT OF DIVERSION

PLACE OF USE

SEC
11

POU inside
dashed line
Drawn by Mr. Fuhman

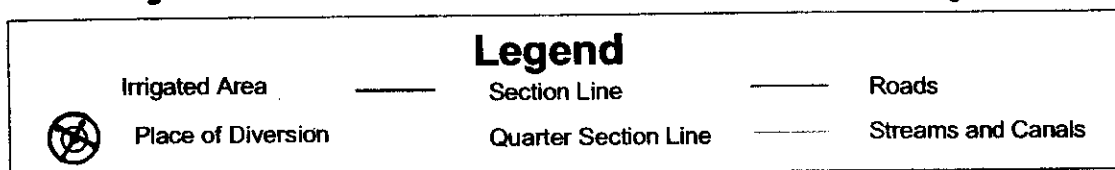
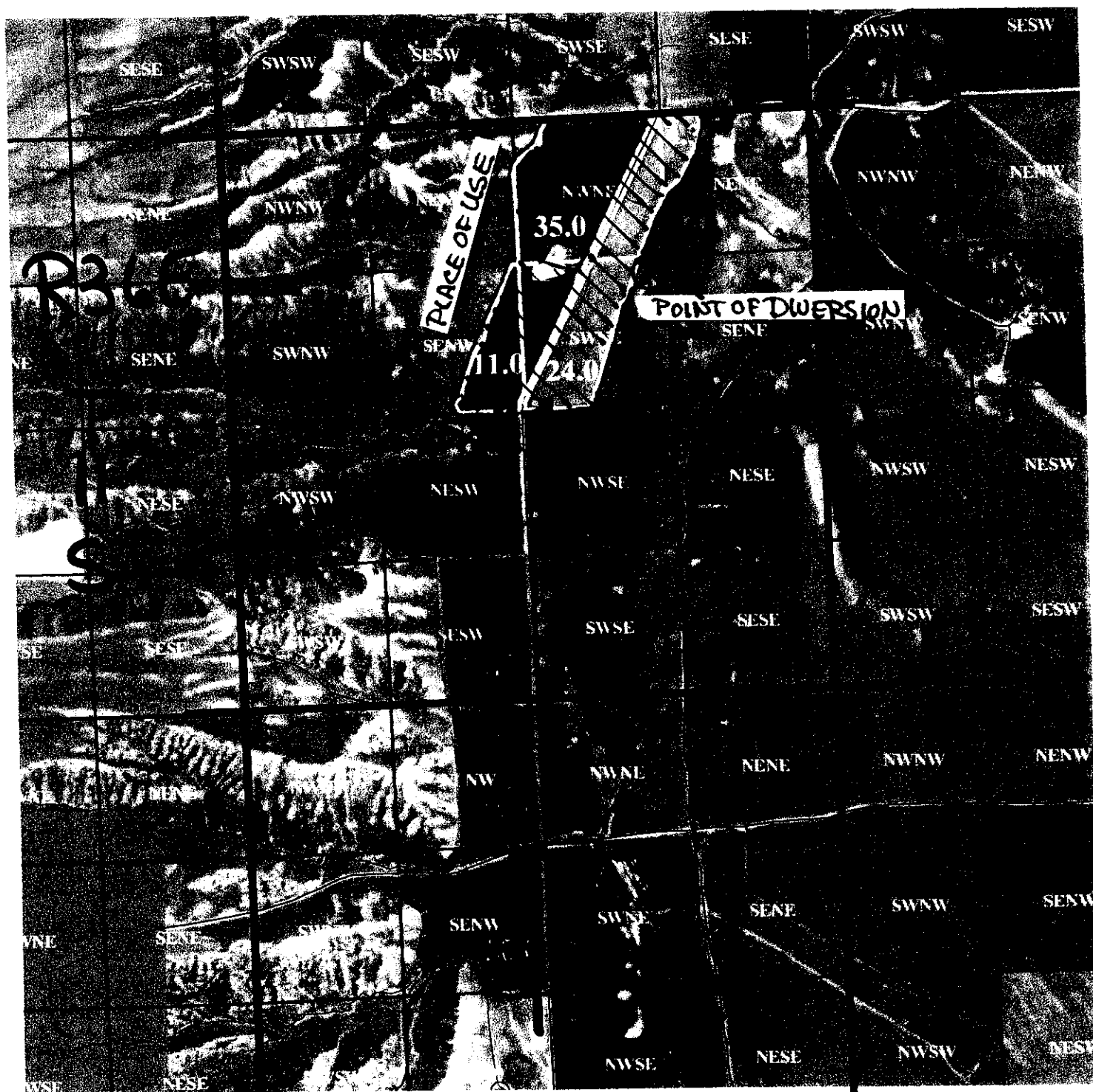
29-07730

3 N.E.
21.1

11/12
11/23

○

Township , 11S36E



1000 0 1000 2000 Feet

29-07730