

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

OCT 26 1998

Department of Water Resources

A. GENERAL INFORMATION

Permit No. 37-08612

1. Owner: Edward Bulchis Phone No. (206) 622-4900

Current Address: 2855 42nd Ave W., Seattle, WA. 98199

2. Accompanied by: verbal permission EXAM DATE: 15 July 98

Address: See 27 April 1998 communication Phone No. _____

Relationship to Permit Holder: documentation

3. Source: KEYSTONE GULCH tributary to EUKHORN GULCH

B. OVERLAP REVIEW

1. Other water rights with the same place of use: N/A

2. Other water rights with the same point of diversion: " "

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		SW	NE	SE	16	04N	18E	BLAINE	FIELD EXAMINATION

2. Place(s) of Use:

Indicate Method of Determination

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N	18E	16																AES	
"	"	"																STOR AES	

SCANNED
DEC 02 2003

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

*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
Stopwatch, Tapes						
Orange Peel						

2. Measurements: Via Float Method

E. NARRATIVE/REMARKS/COMMENTS

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FROM: Georgia Satterlee
DATE: 27 July 1998
RE: 37-08612

The field examination for the above permit was conducted on 15 July 1998. The permit for the ponds is used from June 01 to April 01 (see communication documentation dated April 27, 1998). The ponds are filled via off-stream diversion to storage for aesthetic use.

The water from Keystone Gulch dumps into a vertical cmp (holding tank) with two turn-out gates. One turn-out gate continues the gulch flow. The second turn-out gate diverts water to a small ditch which then dumps into the first of the two ponds.

From the first pond, the water travels via a ditch to the second pond. The distance between each pond is approximately 75 feet. The water discharges from the second pond back into the gulch.

Each pond has a capacity of 0.04 acre feet. Including the ditch, the total acre feet = 0.1 acre feet. The float method was used to measure a rate which is 0.50 cubic feet per second.

The recommended rate will be as permitted (0.18 cfs) with the annual volume:

0.18 cfs (1.9835 af/day) 300 days = 107.1 afa 107 afa

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

Additional Computation Sheets Attached

atched
← 2' → 0.5'
↓
↑
{ CROSS SECTION

$$A = 0.5(2)$$

$$A = 1.0$$
$$Q = 0.50(1.0)$$
$$Q = 0.50 \text{ cfs}$$

June 1 - April 1 = 304 days

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{10cm}}$$
$$V_{DB} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$V = \text{Smaller of } V_{I,R} \text{ and } V_{D,R} =$ _____

$$AFA = 0.18 \text{ cfs} \frac{1.9835 \text{ af/day} \cdot 304 \text{ days}}{1 \text{ cfs}}$$

0.18 PERMIT FATE

0.20 EXAM FEE LIMIT

0.50 MEASURED RATE

0.18 RECOMMENDED RATE

$$\underline{AFA = 108.5}$$

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
STORAGE AESTHETIC	JUNE 1	APRIL 1		108.5 afa
AESTHETIC	"	"	0.18 cfs	
Totals:			0.18 cfs	108.5 afa

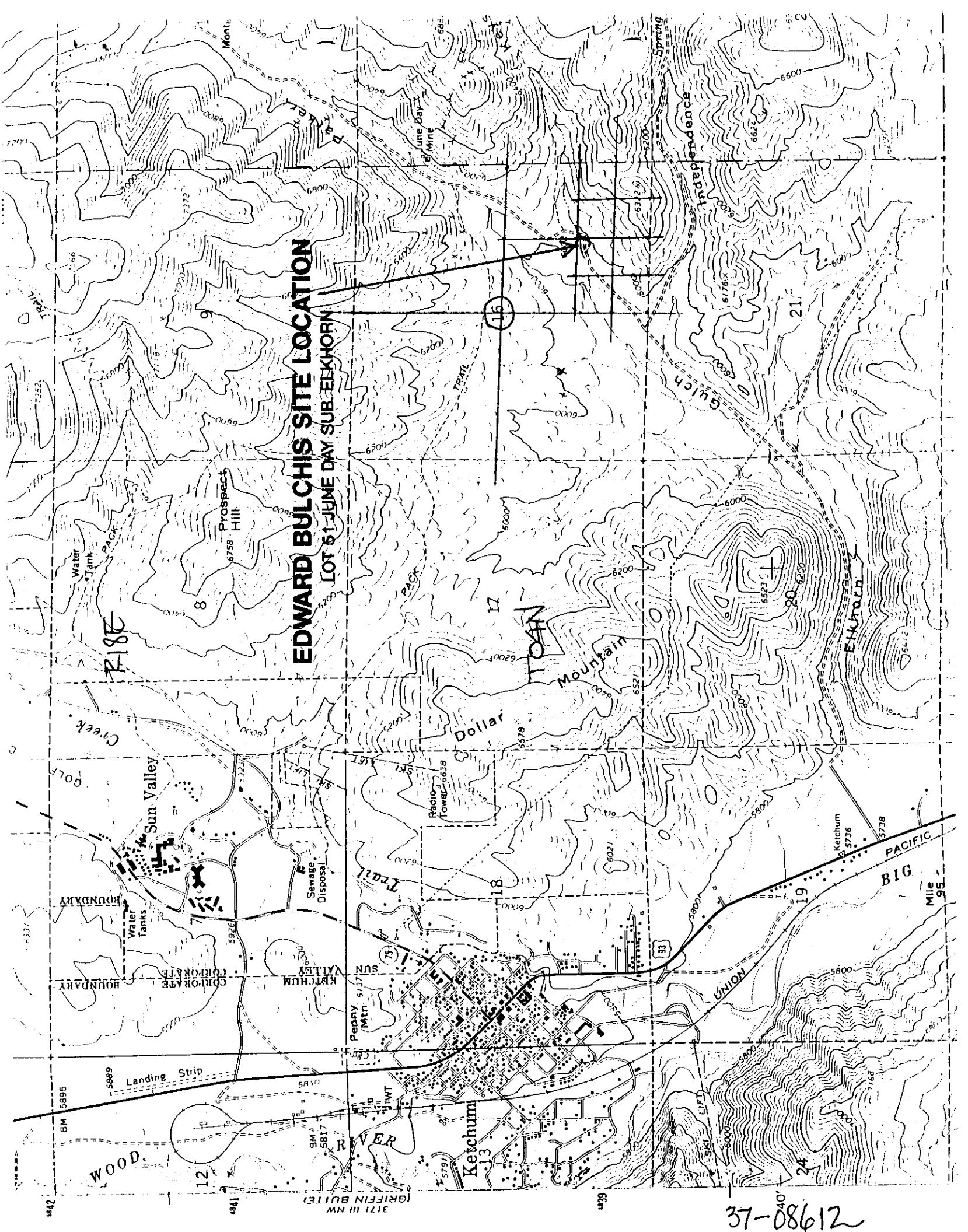
☒ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None
☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

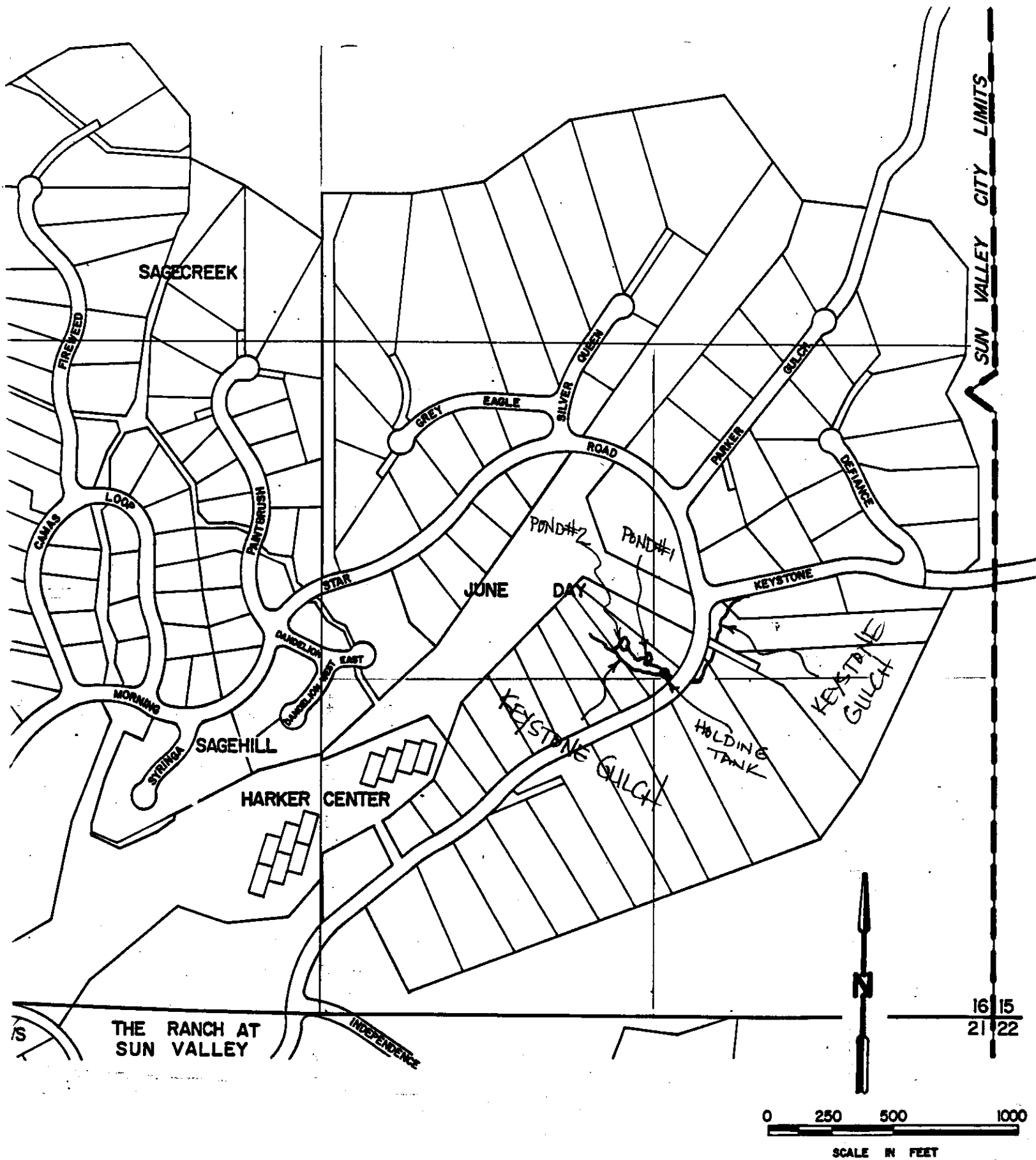
Field Examiner's Name

Gerris Satterlee Date 27 July 98

Reviewer _____ Date _____

SEAL

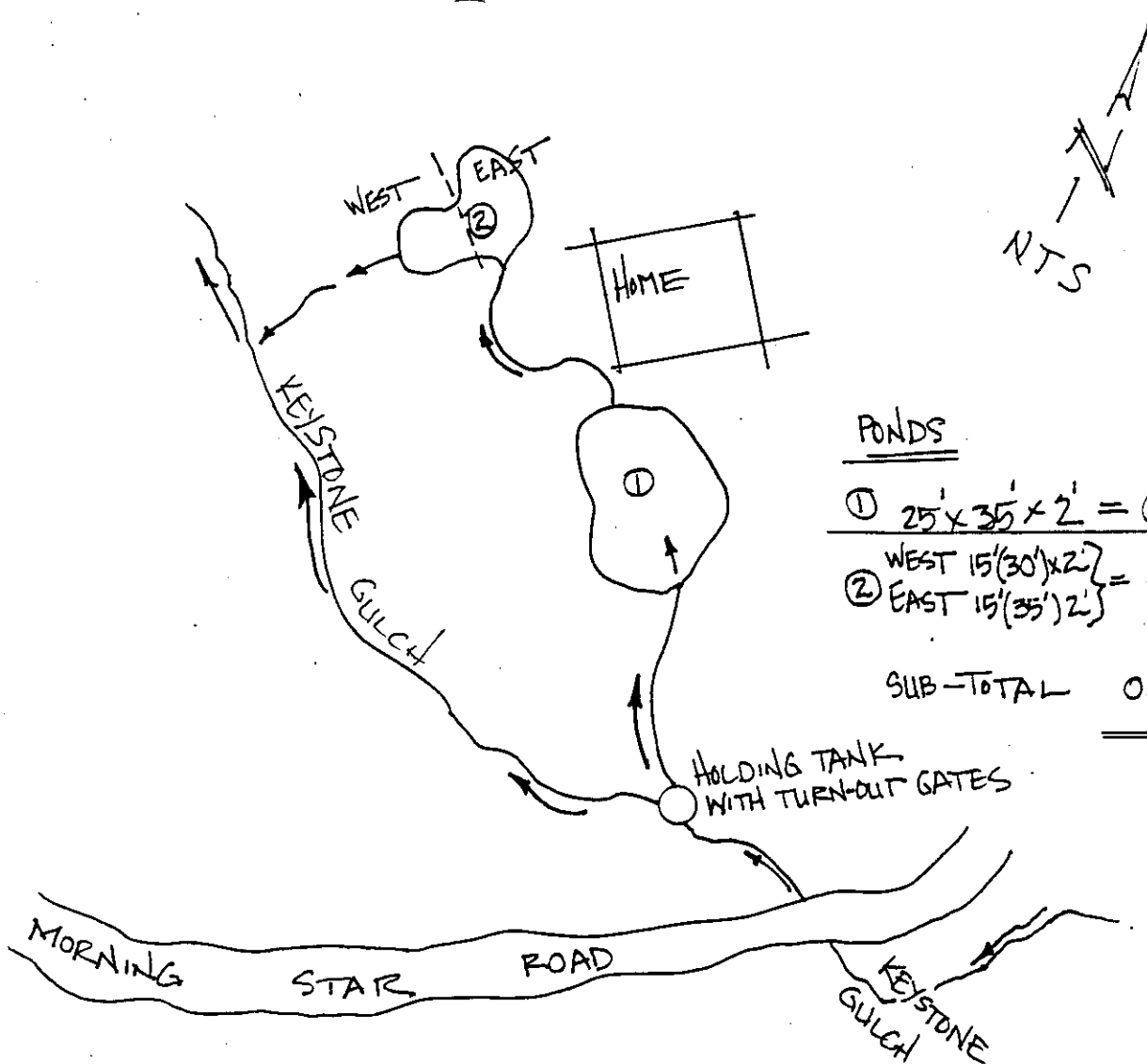




SEC. 16, T. 4 N., R. 18 E.

BULCHIS, EDWARD

37-08612



PONDS

$$\textcircled{1} \ 25' \times 35' \times 2' = 0.04$$

$$\textcircled{2} \ \left. \begin{array}{l} \text{WEST } 15'(30') \times 2' \\ \text{EAST } 15'(35') \times 2' \end{array} \right\} = 0.04$$

$$\text{SUB-TOTAL } \underline{0.082c/f} = \underline{\underline{0.12cft}}$$

EXAMINER: SATTERLEE, G.

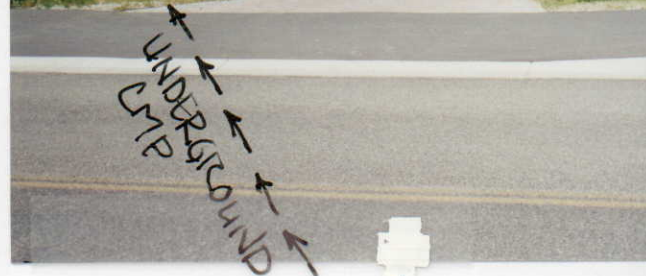
BULLIS, EDWARD
JULY 1998 1300HRS

37-08612

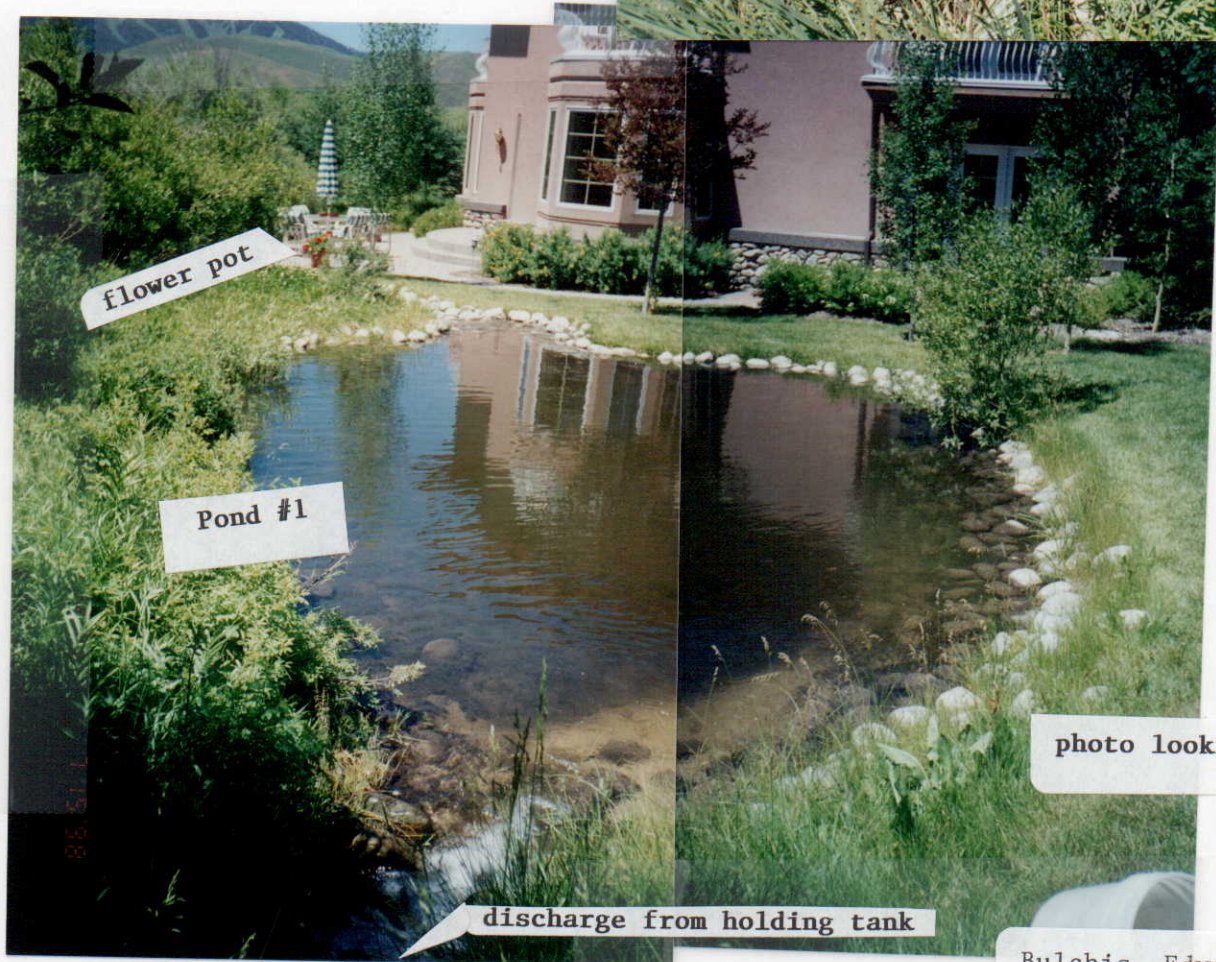
1/2



photos looking NW'ly



Standing at the place where gulch crosses road to Bulchis property



15 JULY 1998
1300 HRS
SATTERLEE, G.

photo looking NW'ly

2/2



flower pot

LOOKING
NW'LY



PHOTO LOOKING
SE'LY

pond #2

Bulchis, Edward

37-08612

SATTERLEE, GL

15 JULY 1998 1300 HRS