

ATTACHMENT #3.

MEASUREMENTS AND CALCULATIONS OF WATER PUT TO BENEFICIAL USE

CLAIM OF EXISTING WATER RIGHT, SIERRA COUNTY CA APN#12-140-06

WEST SIDE RANCH, OWNERS: Holstrom, Gordon and Perry

8-21-2009

WATER MEASUREMENTS: At outlet of Stockpond #1, approximately 770 feet downstream of P.O.D. at Spring
Using a V-notch weir on two separate dates:

<u>Date</u>	<u>c.f.s</u>	<u>g.p.m.</u>	<u>AC-FT/Annum</u>
16-Oct-08	0.08	35.9	57.92
8-Aug-09	0.04	18	28.96

WATER PLACED TO BENEFICIAL USE: The following is an estimate of the original pre-1914 use, which is consistent with water use today:

200 head of cattle @ 15/day/head = 3,000 gallons per day = 0.0046 c.f.s = 3.36 AC-FT/Annum

Irrigation of pasture land downstream of spring on either side of stockpond channel:

0.075 c.f.s X 150 acres*/cfs = 11.25 acres.

Notes: 1. The acreage irrigated depends on the flow of the spring each year,

2. The spring is geothermal, with a consistent temperature of 25 degrees C.

3. * From Appendix II, p.32, "Irrigation of land in water short areas @ 1 cfs per 150 acres", SWRCB Instruction Booklet