

MEMORANDUM

Gray
- your copy

TO: Water District File, Dist. 36-A

FROM: Tim Luke

DATE: 12/13/1996

RE: Measurements at Big Spring, Tupper Spring, and Aqualife Diversions

In response to calls for water by AquaLife, I visited the AquaLife facility on 12/13/96 with Bryce Contor to conduct measurements of all diversions from Big and Tupper Springs.

The attached sheet summarizes these measurements and lists the pertinent water rights and owners etc. The field called 'MEAS_Q' shows the actual field measurement. Aqualife's rights from Tupper and Big Spring are not being entirely satisfied. Rights and diversions to the Tupper hatchery and to the Big Spring Water Users Association (excluding City of Hagerman municipal use and other stockwatering) can be cut back to satisfy the Aqualife calls.

Aqualife has not yet started diverting water from Billingsley Creek. A check was made of the Curren ditch diversion upstream. This ditch was diverting about 33 cfs.* The diversion should be limited to no more than 20 cfs during the winter for fish propagation use, and incidental stockwatering use under decreed rights.

* Curren Ditch measured using 10 ft. Rectangular weir at head of Ditch.

IDWR MEASUREMENTS RELATED TO AQUALIFE CALLS

DIV_NAME	SOURCE	WR_OWNER	WATER_RT	PRIORITY		WATER RT DIV_RATE	USE USE		MEAS_Q	Q_DATE	MEAS_COMNT
				DATE	STG		1	2			
TUPPER HATCHERY AT TUPPER SPRINGS	TUPPER SPRINGS	TUPPER, BOB	36-07841	02/12/1979	L	1.00	19		1.83	12/12/1996	MEAS USING RACEWAY WEIR
TUPPER SPRINGS IRRIG/DOM DIV	TUPPER SPRINGS	TUPPER, BOB	36-04073	01/01/1962	J	0.10	01 43		0.00	/ /	
TUPPER SPRINGS DOM. DIV	TUPPER SPRINGS	TUPPER, ESTHER	36-00115B	04/01/1881	D	0.60	43		0.00	/ /	
IDAHO SPRINGS DIV FROM TUPPER SPRING	SPRINGS (TUPPER SP)	AQUA LIFE INC	36-02414	12/21/1959	L	4.00	19		3.23	12/12/1996	WEIR/METER + PIPE MEAS
IDAHO SPRINGS DIV FROM SPRINGS	SPRINGS (BIG SPRING)	AQUA LIFE INC	36-02338	08/05/1954	L	54.68	19		50.00	12/12/1996	MEAS USING RACEWAY WEIRS
BIG SPRING WATER USERS ASSN DIV	BIG SPRING	BILLINGSLEY CREEK RANCH	36-11060	03/01/1971	J	2.04	46 47		0.00	/ /	USE COMB. W/FISH DIV.
BIG SPRING WATER USERS ASSN DIV	BIG SPRING	BILLINGSLEY CREEK RANCH	36-15462	06/01/1977	J	2.04	19		2.60	12/12/1996	WEIR & PIPE MEAS
BIG SPRING WATER USERS ASSN DIV	BIG SPRING	BIG SPRING WATER USERS A	36-00022	03/01/1901	D	12.90	01 40		8.67	12/12/1996	INCLDS CITY DIV/OTHER*
BIG SPRING WATER USERS ASSN DIV	BIG SPRING	BIG SPRING WATER USERS A	36-00023	04/01/1911	D	5.00	01 40		0.00	/ /	

* Includes G. Lemmon fish hatchery use of 2.0 cfs, stock watering and various domestic use, & Billingsley Ck. Ranch fish diversion. City of Hagerman use from Big Spring limited to 1.86 cfs as per SRBA Dir.s Rept. & based on 93 shares at 1 inch/share. All decreed rights include year round stock watering component.