

April 7, 1975

OPERATIONS DIVISION  
ADMINISTRATOR'S MEMORANDUM

TO: District Office  
FROM: A. Kenneth Dunn  
SUBJECT: Annual Use of Water for Stockwater Purposes

No. of Stock (head)	RANGE CATTLE		DAIRY CATTLE	
	Rate* c.f.s. (1)	Volume AF/yr. (1)	Rate* c.f.s. (2)	Volume AF/yr. (2)
0 - 10	0.02	0.2	0.02	0.4
11 - 25	0.02	0.4	0.02	1.0
26 - 50	0.02	0.7	0.04	2.0
51 - 100	0.03	1.4	0.07	4.0
101 - 200	0.05	2.7	0.13	7.9
201 - 300	0.07	4.1	0.20	12.0
301 - 400	0.09	5.4	0.26	16.0
401 - 500	0.12	6.7	0.33	20.0
501 - 600	0.14	8.1	0.39	24.0
601 - 700	0.16	9.4	0.46	28.0
701 - 800	0.19	11.0	0.52	32.0
801 - 900	0.20	12.0	0.58	36.0
901 - 1000	0.23	14.0	0.65	40.0
1001 - up (3)				

(1) The amounts shown are based on 12 gpd/head with a 12 month period of use. (i.e. for range cattle, horses and mules). The amount does not include a loss (i.e. thru conveyance, etc.)

2. The amounts shown are based on 35 gpd/head with a 12 month period of use. (i.e. for dairy cattle). The amount does not include a loss. (i.e. thru conveyance, etc. ).

3. For annual use calculations which involve more than 1000 head, round the number of head up to the next even one hundred, and

Volume

a) for livestock use @ 12 gpd/hd, N (0.0134).

b) for dairy use @ 35 gpd/hd, N (0.0391).

Rate

a) for livestock use @ 12 gpd/hd, N (0.00022).

b) for dairy use @ 35 gpd/hd, N (0.00065).

The answer should be rounded up to the nearest whole acre-foot.

\*The rate is based upon approx. 2 hr/day diversion to obtain daily requirement.

*A. Kenneth Dunn*