

MEMORANDUM

To: 29-2292, 29-2419
29-13143, 29-13144

Fr: Bryce Conto,

Date: 9/6/01

Re: Combined acreage limitation

Two needs appear for combined limitation

- 1) Prevent "oustading" of Ben. use rights for additional Q, from licensed rights. Accomplish this by combined acreage limitations w/ each pair.
- 2) Prevent "enlargement" of earlier priority right 29-13143 in connection w/ accomplished xfer to overlapping of license 29-2419. Accomplish this by limiting then portion of Ben use right (29-~~11~~ 13143 / 29-13144) to cfs-share of original acres.

29-13143 = 2.95 cfs claimed

29-13144 = 4.24 cfs claimed

Average limit p 2 9/6/01

This appears to be an error; the original intent was to apportion the 1.82 cfs of documented "beneficial use" capacity as needed to balance diversion rates. It looks like I forgot to adjust the diversion rates.

North Pole	233 acres
License 29-2419	233 acres
South Pole	<u>365 acres</u>
Total	598 acres

29-2292	4.24 cfs
29-2419	<u>2.95 cfs</u>
	7.19 cfs
Ben. use	<u>1.82 cfs</u>
	9.01 cfs

$$\frac{9.01}{598} = 0.01507 \text{ cfs/acre}$$

North Pole 233 acres $\times 0.01507 = 3.51$
 $3.51 - 2.95 = 0.56 \text{ cfs for}$
29-13143

Acreage Limit p 3 9/6/01

Scout PCW $1.82 \text{ q/s} - 0.56 \text{ q/s} = 1.26 \text{ q/s}$
89-13144

Original Ben. use was 100% overlap w/
89-2292, 409 acres.

$$\frac{409 \text{ acres} \times 0.56}{1.82} = 125 \text{ acre limit for 89-13143}$$

$$409 \text{ acres} - 125 = 283 \text{ acre limit for 89-13144}$$

Combined limits:

$$29-2914 \text{ } \} \text{ } 29-13144 \text{ } 13143 = 233$$

$$29-2292 \text{ } \} \text{ } 29-13144 = 365$$

~~$$29-2292, 29-13143, 29-13144 =$$~~

for