

MEMORANDUM

TO: Water Right File 63-32917
FROM: Cody Parker
RE: Updated mitigation use
DATE: January 2, 2018

The "Mitigation" for this right was updated to "Mitigation by Non-Use" per current Department policy. The values for irrigation and mitigation by non-use were changed to reflect the development of permit 63-32125 as confirmed during the licensing examination. The following changes were made to the rights:

63-32917 prior to change:

Mitigation Component:

63-32125	0.36 cfs	52.7 afa	11.7 acres dedicated to non-use
63-32126	0.07 cfs	10.8 afa	2.4 acres dedicated to non-use
TOTAL	0.43 cfs	63.5 afa	14.1 acres dedicated to non-use

Irrigation Component:

0.5 acres	0.01 cfs	2.2 afa
-----------	----------	---------

Right totals prior to change:

0.44 cfs	65.7 afa
0.5 acres irrigation	
14.1 acres dedicated to mitigation by non-use	

63-32917 after change (accounting for cut to 60% - Stewart Decree Boise River WR)

Mitigation Component:

63-32125	0.32 cfs	46.8 afa	10.4 acres dedicated to non-use
63-32126	0.07 cfs	10.8 afa	2.4 acres dedicated to non-use
TOTAL	0.39 cfs	57.6 afa	12.8 acres dedicated to non-use

Irrigation Component:

0.05 cfs	8.1 afa	1.7 acres irrigation
----------	---------	----------------------

Right totals after change:

0.44 cfs	65.7 afa
1.7 acres irrigation	
12.8 acres dedicated to mitigation by non-use	

The diversion rate authorized by right 63-32125 is 0.19 cfs. The mitigating diversion rate takes into account the fact that the right can be cut to 60% of its value annually ($\frac{0.19}{0.6} = 0.32 \text{ cfs}$). The mitigating right appropriates 0.0308 cfs/acre and 4.5 afa/acre. Therefore:

$$\frac{0.32 \text{ cfs}}{0.0308 \text{ cfs/acre}} = 10.4 \text{ acres} \quad \text{AND} \quad 10.4 \text{ acres} * 4.5 \frac{\text{afa}}{\text{acre}} = 46.8 \text{ afa}$$