



Idaho Department of Water Resources

MEMORANDUM

Date: September 10, 2012

File: Transfer 77877- Don Mickelsen

Subject: ESPA Analysis

Transfer 77877 is changing ground water PODs and the POU which lies within the ESPA. The "from" and "to" POD are located in Row 56, Column 174. Since the PODs are within the same cells, the ESPAM is not necessary.

Don Mickelsen- T77877

21-13135	0.08 cfs	24.5 AF	7 acres
$1.5/7=0.2 \times 7= 1.5 \text{ acres}$			
$0.08 \text{ cfs}/7 \text{ acres} = 0.011428571 \times 1.5= 0.02 \text{ cfs}$			
$1.5 \text{ acres} \times 3.5 \text{ af} = 5.25 = 5.3 \text{ af}$			

CFS	Acres	AF
0.02	1.5	5.3
0.01	1	3.4
0.09	4.3	15.1
<u>0.09</u>	<u>4.3</u>	<u>14.8</u>
0.21	5.8	38.6

21-13137	0.06 cfs	16.2 AF	7 acre PPU	4.7 acre limit
$1.5/7=0.2 \times 4.7 = 1.0 \text{ acre}$				
$0.06 \text{ cfs}/4.7 \text{ acres} = 0.012765957 \times 1 = 0.01 \text{ cfs}$				
$16.2 \text{ af}/4.7 \text{ acres} = 3.446808511 \times 1 \text{ acre} = 3.44 \text{ af}$				

21-13083	3.73 cfs	647.5 AF	371 acres PPU	185 limit
$3.73 \text{ cfs}/185 \text{ acres} = 0.02 \times 4.3 = 0.086 = 0.09 \text{ cfs}$				
$4.3 \text{ acres} \times 3.5 \text{ af} = 15.05 = 15.1 \text{ af}$				

21-2166	3.76 cfs	647.5 AF	371 acres PPU	188 acres
$3.76 \text{ cfs}/188 \text{ acres} = 0.02 \text{ cfs} \times 4.3 \text{ acres} = 0.09 \text{ cfs}$				
$647.5 \text{ af}/188 \text{ acres} = 3.444148936 \times 4.3 = 14.8 \text{ AF}$				