

Don Crane Transfer Revised Method By J. F. Hamilton 3-30-07

1. Right - 45-2176	1.6 cfs	80 ac/yr	320 AFA
2220	1.86	160	640
2408	<u>1.32</u>	<u>240</u>	<u>644.1 *</u>
	4.78 cfs	280 ac/yr	1120 AFA

2. Problem - Need 84.8 AFA for new living. Allow 2.97 AFA cons use at Justin Falls for 13 ac of affluents = 38.6 AFA. Allow 2.49 AFA cons use for 18.6 ac of. Dry up 38.6 ac = 11.298 of good rights.

3. Math - $45-2176 \times 11.298 = 0.18$ cfs	9.0 ac/yr	(-36.0 AFA	-24.1 AFA for living
$2220 \times " = 0.21$ cfs	18.1 "	(-12.4 "	-48.5 "
$2408 \times " = 0.15$ cfs	<u>27.1 "</u>	<u>* (-12.6 "</u>	<u>-72.6 "</u>
	0.54 cfs	<u>126.4 AFA</u>	<u>84.8 AFA</u>

* volume limited by flow rate. Average consumption volume for land being dried up is 2.68 AFA/ac

4. Right 45-10107 (expansion right)	1.18 cfs	59 ac/yr	0 AFA
5. Reduction of 11,298	0.13 cfs	6.7 ac/yr	0 AFA
6. Remainder	1.05 cfs	52.3 ac/yr	0 AFA