

## Cooper, Jeff

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**From:** Zach Latham [zach.latham@brockwayeng.com]  
**Sent:** Tuesday, May 11, 2010 1:58 PM  
**To:** Cooper, Jeff  
**Subject:** Wickel Additional Modeling  
**Attachments:** Wickel- Additional Transfer Modeling Resultsfor IDWR 5-11-10.PDF

Jeff-

Upon the request of IDWR, I am submitting an additional run of the 2009 ESPA Model transfer worksheet and associated results dealing with the Wickel water right transfer. Results show no mitigation is needed to transfer 296.0 AFA of water right 45-2468 from its current point of diversion in Row 87 Column 62 (from well) to a point of diversion in Row 90 Column 59 (well farthest away from existing 45-2468 well, closest POD to Snake River to serve new PPU) and a total of 1884 AFA from water rights 45-7336 (1600 AFA) and 45-13773 (284 AFA) from an existing point of diversion in Row 90 Column 61, to a point of diversion in Row 90 Column 59 (well farthest away from existing 45-2468 well, closest POD to Snake River to serve new PPU). Please review the attached model run and results and consider them in the transfer processing period leading up to public water right transfer advertisement. Thanks for your assistance on this matter and don't hesitate to give me a call with comments or questions, thanks.

Zach Latham

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# WICKEL, ARDEL AND JUDY- WATER RIGHT TRANSFER APPLICATION

One-Water Right Transfer

Transfer 1 : Wickel Transfer- 45-2468 Only from R87 C62 to R90 C59  
Submitted to IDWR on 4/13/10

| WR No.                                                          | Div. Rate (CFS) | Con. Vol (AFA) | No. of In. Acres | Priority Date | POD Location | Dedicated Vol AFA/ AFT | Model Node | Impact by Reach (AF/Trimester) |                  |                      |                     |                   |                   |              |               |                   |      |      |      |
|-----------------------------------------------------------------|-----------------|----------------|------------------|---------------|--------------|------------------------|------------|--------------------------------|------------------|----------------------|---------------------|-------------------|-------------------|--------------|---------------|-------------------|------|------|------|
|                                                                 |                 |                |                  |               |              |                        |            | Ashton to Rexburg              | Heise to Shelley | Shelley to Nr Bickft | Nr Bickft To Neeley | Neeley to Mindoka | Dev. Wbl. To Buhl | Buhl to Kopr | Kopr to Malad | Malad to Bancroft |      |      |      |
| Transfer 1: Proposed Steady State Impacts following Transfer    |                 |                |                  |               |              |                        |            |                                |                  |                      |                     |                   |                   |              |               |                   |      |      |      |
|                                                                 |                 |                |                  |               |              |                        |            | Pre-SS: 1.11                   | 1.27             | 9.53                 | 33.59               | 19.66             | 17.56             | 6.62         | 4.18          | 0.46              | 3.92 | 0.15 | 98.0 |
|                                                                 |                 |                |                  |               |              |                        |            | Post-SS: 1.06                  | 1.23             | 9.22                 | 32.50               | 17.05             | 16.43             | 6.61         | 4.29          | 0.47              | 3.98 | 0.15 | 96.2 |
| Transfer: Worst Case Transient State Impacts following Transfer |                 |                |                  |               |              |                        |            |                                |                  |                      |                     |                   |                   |              |               |                   |      |      |      |
|                                                                 |                 |                |                  |               |              |                        |            | Pre-TS: 1.11                   | 1.27             | 9.53                 | 33.59               | 19.66             | 17.56             | 6.62         | 4.18          | 0.46              | 3.92 | 0.15 | 98.0 |
|                                                                 |                 |                |                  |               |              |                        |            | Post-TS: 1.06                  | 1.23             | 9.22                 | 32.50               | 16.66             | 16.43             | 6.61         | 4.29          | 0.47              | 3.98 | 0.15 | 97.1 |
| Steady State Analysis                                           |                 |                |                  |               |              |                        |            |                                |                  |                      |                     |                   |                   |              |               |                   |      |      |      |
| Mitigation Check 1 - >10% of Historical:                        |                 |                |                  |               |              |                        |            | -4.0%                          | -3.6%            | -3.2%                | -3.2%               | -13.2%            | 4.9%              | 2.9%         | 2.6%          | 2.2%              | 1.5% | 1.2% |      |
| Mitigation Check 2 - > 2 AF/T:                                  |                 |                |                  |               |              |                        |            | 0.0                            | 0.0              | -0.3                 | -1.1                | -2.6              | 0.9               | 0.2          | 0.1           | 0.0               | 0.1  | 0.0  |      |
| Mitigation Check 3 - >10% of Total:                             |                 |                |                  |               |              |                        |            | 1.1%                           | 1.3%             | 0.7%                 | 34.1%               | 17.9%             | 19.4%             | 7.2%         | 4.5%          | 0.5%              | 4.2% | 0.2% |      |
| Mitigation Required?                                            |                 |                |                  |               |              |                        |            | NO                             | NO               | NO                   | NO                  | NO                | NO                | NO           | NO            | NO                | NO   | NO   |      |
| Mitigation Vol. Req'd (ac-ft)                                   |                 |                |                  |               |              |                        |            | 0.0                            | 0.0              | -0.3                 | -1.1                | -2.6              | 0.9               | 0.2          | 0.1           | 0.0               | 0.1  | 0.0  |      |
| Transient State Analysis                                        |                 |                |                  |               |              |                        |            |                                |                  |                      |                     |                   |                   |              |               |                   |      |      |      |
| Mitigation Check 1 - >10% of Historical:                        |                 |                |                  |               |              |                        |            | -4.0%                          | -3.6%            | -3.2%                | -3.2%               | -3.5%             | 4.9%              | 2.9%         | 2.6%          | 2.2%              | 1.5% | 1.2% |      |
| Mitigation Check 2 - > 2 AF/T:                                  |                 |                |                  |               |              |                        |            | 0.0                            | 0.0              | -0.3                 | -1.1                | -0.7              | 0.9               | 0.2          | 0.1           | 0.0               | 0.1  | 0.0  |      |
| Mitigation Required?                                            |                 |                |                  |               |              |                        |            | NO                             | NO               | NO                   | NO                  | NO                | NO                | NO           | NO            | NO                | NO   | NO   |      |
| Mitigation Vol. Req'd (ac-ft)                                   |                 |                |                  |               |              |                        |            | 0.0                            | 0.0              | -0.3                 | -1.1                | -0.7              | 0.9               | 0.2          | 0.1           | 0.0               | 0.1  | 0.0  |      |

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Transfer 2 : Wickel Transfer- 45-2468 from R87 C62 to R90 C59, AND 45-7336 AND 45-13773 from R90 C61 to R90 C59  
Submitted to IDWR on 5/11/10

| WR No.                                                            | Div. Rate<br>(CFS) | Con. Vol.<br>(AFA) | No. of In.<br>Acres | Priority<br>Date | POD<br>Location | Dedicated Vol.<br>AFA/ AFT | Model<br>Node | Impact by Reach (AF/Trimester)          |                     |                         |                        |                      |                      |                 |                  |                      |       |        |        |        |       |       |      |       |      |       |
|-------------------------------------------------------------------|--------------------|--------------------|---------------------|------------------|-----------------|----------------------------|---------------|-----------------------------------------|---------------------|-------------------------|------------------------|----------------------|----------------------|-----------------|------------------|----------------------|-------|--------|--------|--------|-------|-------|------|-------|------|-------|
|                                                                   |                    |                    |                     |                  |                 |                            |               | Ashton to<br>Rexburg                    | Heise to<br>Shelley | Shelley to<br>Nr Bickft | Nr Bickft To<br>Neeley | Neeley to<br>Mindoka | Dev. Wbl. To<br>Buhl | Buhl to<br>Kopr | Kopr to<br>Malad | Malad to<br>Bancroft |       |        |        |        |       |       |      |       |      |       |
| Transfer: Proposed Steady State Impacts following Transfer        |                    |                    |                     |                  |                 |                            |               |                                         |                     |                         |                        |                      |                      | Pre-SS          | 7.98             | 9.20                 | 68.98 | 243.30 | 143.25 | 130.62 | 48.88 | 30.86 | 3.37 | 28.81 | 1.10 | 718.3 |
|                                                                   |                    |                    |                     |                  |                 |                            |               |                                         |                     |                         |                        |                      |                      | Post-SS         | 7.83             | 9.05                 | 68.05 | 239.81 | 125.83 | 136.00 | 50.27 | 31.69 | 3.45 | 28.38 | 1.12 | 702.6 |
| Transfer 1: Worst Case Transient State Impacts following Transfer |                    |                    |                     |                  |                 |                            |               |                                         |                     |                         |                        |                      |                      | Pre-TS          | 7.98             | 9.20                 | 68.98 | 243.30 | 143.25 | 130.62 | 48.88 | 30.86 | 3.37 | 28.81 | 1.10 | 718.3 |
|                                                                   |                    |                    |                     |                  |                 |                            |               |                                         |                     |                         |                        |                      |                      | Post-TS         | 7.83             | 9.05                 | 68.05 | 239.81 | 129.21 | 136.09 | 50.27 | 31.69 | 3.45 | 29.38 | 1.12 | 706.0 |
| Steady State Analysis                                             |                    |                    |                     |                  |                 |                            |               | Mitigation Check 1 - >10% of Historical | -1.8%               | -1.6%                   | -1.3%                  | -1.4%                | -12.2%               | 4.2%            | 2.9%             | 2.7%                 | 2.4%  | 2.0%   | 1.7%   |        |       |       |      |       |      |       |
|                                                                   |                    |                    |                     |                  |                 |                            |               | Mitigation Check 2 - > 2 AF/T           | -0.2                | -0.1                    | -0.9                   | -3.5                 | -17.4                | 5.5             | 1.4              | 0.8                  | 0.1   | 0.6    | 0.0    |        |       |       |      |       |      |       |
|                                                                   |                    |                    |                     |                  |                 |                            |               | Mitigation Check 3 - >10% of Total      | 1.1%                | 1.3%                    | 0.7%                   | 34.1%                | 17.9%                | 19.4%           | 7.2%             | 4.5%                 | 0.5%  | 4.2%   | 0.2%   |        |       |       |      |       |      |       |
|                                                                   |                    |                    |                     |                  |                 |                            |               | Mitigation Required?                    | NO                  | NO                      | NO                     | NO                   | NO                   | NO              | NO               | NO                   | NO    | NO     | NO     |        |       |       |      |       |      |       |
|                                                                   |                    |                    |                     |                  |                 |                            |               | Mitigation Vol. Req'd (ac-ft)           | -0.2                | -0.1                    | -0.9                   | -3.5                 | -17.4                | 5.5             | 1.4              | 0.8                  | 0.1   | 0.6    | 0.0    |        |       |       |      |       |      |       |
| Transient State Analysis                                          |                    |                    |                     |                  |                 |                            |               | Mitigation Check 1 - >10% of Historical | -1.9%               | -1.6%                   | -1.3%                  | -1.4%                | -9.8%                | 4.2%            | 2.9%             | 2.7%                 | 2.4%  | 2.0%   | 1.7%   |        |       |       |      |       |      |       |
|                                                                   |                    |                    |                     |                  |                 |                            |               | Mitigation Check 2 - > 2 AF/T           | -0.2                | -0.1                    | -0.9                   | -3.5                 | -14.0                | 5.5             | 1.4              | 0.8                  | 0.1   | 0.6    | 0.0    |        |       |       |      |       |      |       |
|                                                                   |                    |                    |                     |                  |                 |                            |               | Mitigation Required?                    | NO                  | NO                      | NO                     | NO                   | NO                   | NO              | NO               | NO                   | NO    | NO     | NO     |        |       |       |      |       |      |       |
|                                                                   |                    |                    |                     |                  |                 |                            |               | Mitigation Vol. Req'd (ac-ft)           | -0.2                | -0.1                    | -0.9                   | -3.5                 | -14.0                | 5.5             | 1.4              | 0.8                  | 0.1   | 0.6    | 0.0    |        |       |       |      |       |      |       |
|                                                                   |                    |                    |                     |                  |                 |                            |               |                                         |                     |                         |                        |                      |                      |                 |                  |                      |       |        |        |        |       |       |      |       |      |       |

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# ENHANCED GROUND-WATER RIGHTS TRANSFER SPREADSHEET

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IDAHO DEPARTMENT OF WATER RESOURCES

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ENTER STARTING DATE FOR  
SIMULATION. THEN PUSH  
"UPDATE DATES" BUTTON

YEAR 1953 TRANSFER NAME:  
SEASON WINTER Wickel

ENTER CELL LOCATIONS:

| ROW    | NEW S. WELL | NORTH WELL | 'FROM2' CELL | 'FROM3' CELL | 45-2468  | 12/9/1953 | 296.0 AFA  |
|--------|-------------|------------|--------------|--------------|----------|-----------|------------|
| COLUMN | 90          | 87         | 90           |              | 45-7336  | 1/24/1978 | 1600.0 AFA |
|        | 59          | 62         | 61           |              | 45-13773 | 3/15/1968 | 284.0 AFA  |

| TRIMESTER<br>OF<br>ACTIVITY | Proposed Well<br>Projected Use | Existing 45-2468 Well:        |                                  | Existing 45-7336, 45-13773 Well |                                  | FROM3 WELL                    |                                  |
|-----------------------------|--------------------------------|-------------------------------|----------------------------------|---------------------------------|----------------------------------|-------------------------------|----------------------------------|
|                             | AF/TRIMESTER                   | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER   | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER |
| WIN 1953                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SPR 1954                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SUM 1954                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| WIN 1954                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SPR 1955                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SUM 1955                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| WIN 1955                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SPR 1956                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SUM 1956                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| WIN 1956                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SPR 1957                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SUM 1957                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| WIN 1957                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SPR 1958                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SUM 1958                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| WIN 1958                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SPR 1959                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SUM 1959                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| WIN 1959                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SPR 1960                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SUM 1960                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| WIN 1960                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SPR 1961                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SUM 1961                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| WIN 1961                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SPR 1962                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SUM 1962                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| WIN 1962                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SPR 1963                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SUM 1963                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| WIN 1963                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SPR 1964                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SUM 1964                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| WIN 1964                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SPR 1965                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SUM 1965                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| WIN 1965                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SPR 1966                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SUM 1966                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| WIN 1966                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SPR 1967                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SUM 1967                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| WIN 1967                    | 0.0                            | 98.7                          | 98.7                             | 0.0                             | 0.0                              | 0.0                           | 0.0                              |
| SPR 1968                    | 0.0                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SUM 1968                    | 0.0                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| WIN 1968                    | 0.0                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SPR 1969                    | 0.0                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SUM 1969                    | 0.0                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| WIN 1969                    | 0.0                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SPR 1970                    | 0.0                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SUM 1970                    | 0.0                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| WIN 1970                    | 0.0                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SPR 1971                    | 0.0                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SUM 1971                    | 0.0                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| WIN 1971                    | 0.0                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SPR 1972                    | 0.0                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SUM 1972                    | 0.0                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| WIN 1972                    | 0.0                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SPR 1973                    | 0.0                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SUM 1973                    | 0.0                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |

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ENTER STARTING DATE FOR  
SIMULATION. THEN PUSH TRANSFER NO:  
"UPDATE DATES" BUTTON

YEAR 1953 TRANSFER NAME:  
SEASON WINTER Wickel

ENTER CELL LOCATIONS:

|        | NEW S. WELL | NORTH WELL | 'FROM2' CELL | 'FROM3' CELL | 45-2468  | 12/9/1953 | 296.0 AFA  |
|--------|-------------|------------|--------------|--------------|----------|-----------|------------|
| ROW    | 90          | 87         | 90           |              | 45-7336  | 1/24/1978 | 1600.0 AFA |
| COLUMN | 59          | 62         | 61           |              | 45-13773 | 3/15/1968 | 284.0 AFA  |

| TRIMESTER<br>OF<br>ACTIVITY | Proposed Well<br>Projected Use<br>AF/TRIMESTER | Existing 45-2468 Well:        |                                  | Existing 45-7336, 45-13773 Well |                                  | FROM3 WELL                    |                                  |
|-----------------------------|------------------------------------------------|-------------------------------|----------------------------------|---------------------------------|----------------------------------|-------------------------------|----------------------------------|
|                             |                                                | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER   | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER |
| WIN 1973                    | 0.0                                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SPR 1974                    | 0.0                                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SUM 1974                    | 0.0                                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| WIN 1974                    | 0.0                                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SPR 1975                    | 0.0                                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SUM 1975                    | 0.0                                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| WIN 1975                    | 0.0                                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SPR 1976                    | 0.0                                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SUM 1976                    | 0.0                                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| WIN 1976                    | 0.0                                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SPR 1977                    | 0.0                                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| SUM 1977                    | 0.0                                            | 98.7                          | 98.7                             | 94.7                            | 94.7                             | 0.0                           | 0.0                              |
| WIN 1977                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1978                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1978                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1978                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1979                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1979                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1979                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1980                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1980                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1980                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1981                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1981                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1981                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1982                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1982                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1982                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1983                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1983                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1983                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1984                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1984                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1984                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1985                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1985                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1985                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1986                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1986                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1986                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1987                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1987                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1987                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1988                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1988                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1988                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1989                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1989                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1989                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1990                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1990                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1990                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1991                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1991                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1991                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1992                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1992                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1992                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1993                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1993                    | 0.0                                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |

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ENTER STARTING DATE FOR  
SIMULATION. THEN PUSH TRANSFER NO:  
"UPDATE DATES" BUTTON

YEAR 1953 TRANSFER NAME:  
SEASON WINTER Wickel

ENTER CELL LOCATIONS:

|        | NEW S. WELL | NORTH WELL | 'FROM2' CELL | 'FROM3' CELL | 45-2468  | 12/9/1953 | 296.0 AFA  |
|--------|-------------|------------|--------------|--------------|----------|-----------|------------|
| ROW    | 90          | 87         | 90           |              | 45-7336  | 1/24/1978 | 1600.0 AFA |
| COLUMN | 59          | 62         | 61           |              | 45-13773 | 3/15/1968 | 284.0 AFA  |

| TRIMESTER<br>OF<br>ACTIVITY | Proposed Well<br>Projected Use | Existing 45-2468 Well:        |                                  | Existing 45-7336, 45-13773 Well |                                  | FROM3 WELL                    |                                  |
|-----------------------------|--------------------------------|-------------------------------|----------------------------------|---------------------------------|----------------------------------|-------------------------------|----------------------------------|
|                             | AF/TRIMESTER                   | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER   | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER |
| WIN 1993                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1994                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1994                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1994                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1995                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1995                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1995                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1996                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1996                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1996                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1997                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1997                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1997                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1998                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1998                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1998                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 1999                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 1999                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 1999                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 2000                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 2000                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 2000                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 2001                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 2001                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 2001                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 2002                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 2002                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 2002                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 2003                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 2003                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 2003                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 2004                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 2004                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 2004                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 2005                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 2005                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 2005                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 2006                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 2006                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 2006                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 2007                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 2007                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 2007                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 2008                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 2008                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 2008                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 2009                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 2009                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 2009                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 2010                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 2010                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| WIN 2010                    | 0.0                            | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SPR 2011                    | 726.7                          | 98.7                          | 98.7                             | 628.0                           | 628.0                            | 0.0                           | 0.0                              |
| SUM 2011                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2011                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2012                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2012                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2012                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2013                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2013                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |

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ENTER STARTING DATE FOR  
SIMULATION. THEN PUSH TRANSFER NO:  
"UPDATE DATES" BUTTON  
YEAR 1953 TRANSFER NAME:  
SEASON WINTER Wickel

1 2 3 4

ENTER CELL LOCATIONS:

|        | NEW S. WELL | NORTH WELL | 'FROM2' CELL | 'FROM3' CELL | 45-2488  | 12/9/1953 | 296.0 AFA  |
|--------|-------------|------------|--------------|--------------|----------|-----------|------------|
| ROW    | 90          | 87         | 90           |              | 45-7336  | 1/24/1978 | 1600.0 AFA |
| COLUMN | 59          | 62         | 61           |              | 45-13773 | 3/15/1968 | 284.0 AFA  |

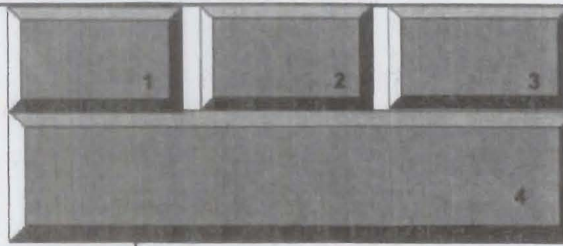
| TRIMESTER<br>OF<br>ACTIVITY | Proposed Well<br>Projected Use<br>AF/TRIMESTER | Existing 45-2488 Well:        |                                  | Existing 45-7336, 45-13773 Well |                                  | FROM3 WELL                    |                                  |
|-----------------------------|------------------------------------------------|-------------------------------|----------------------------------|---------------------------------|----------------------------------|-------------------------------|----------------------------------|
|                             |                                                | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER   | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER |
| WIN 2013                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2014                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2014                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2014                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2015                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2015                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2015                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2016                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2016                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2016                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2017                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2017                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2017                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2018                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2018                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2018                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2019                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2019                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2019                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2020                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2020                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2020                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2021                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2021                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2021                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2022                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2022                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2022                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2023                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2023                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2023                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2024                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2024                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2024                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2025                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2025                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2025                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2026                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2026                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2026                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2027                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2027                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2027                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2028                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2028                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2028                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2029                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2029                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2029                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2030                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2030                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2030                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2031                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2031                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2031                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2032                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2032                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2032                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2033                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2033                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |

# ENHANCED GROUND-WATER RIGHTS TRANSFER SPREADSHEET

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPARTMENT OF WATER RESOURCES

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ENTER STARTING DATE FOR  
SIMULATION. THEN PUSH TRANSFER NO:  
"UPDATE DATES" BUTTON

YEAR 1953 TRANSFER NAME:  
SEASON WINTER Wickel

ENTER CELL LOCATIONS:

|        | NEW S. WELL | NORTH WELL | 'FROM2' CELL | 'FROM3' CELL | 45-2468  | 12/9/1953 | 296.0 AFA  |
|--------|-------------|------------|--------------|--------------|----------|-----------|------------|
| ROW    | 90          | 87         | 90           |              | 45-7336  | 1/24/1978 | 1600.0 AFA |
| COLUMN | 59          | 62         | 61           |              | 45-13773 | 3/16/1968 | 284.0 AFA  |

| TRIMESTER<br>OF<br>ACTIVITY | Proposed Well<br>Projected Use | Existing 45-2468 Well:        |                                  | Existing 45-7336, 45-13773 Well |                                  | FROM3 WELL                    |                                  |
|-----------------------------|--------------------------------|-------------------------------|----------------------------------|---------------------------------|----------------------------------|-------------------------------|----------------------------------|
|                             | AF/TRIMESTER                   | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER   | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER |
| WIN 2033                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2034                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2034                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2034                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2035                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2035                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2035                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2036                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2036                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2036                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2037                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2037                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2037                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2038                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2038                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2038                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2039                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2039                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2039                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2040                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2040                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2040                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2041                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2041                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2041                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2042                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2042                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2042                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2043                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2043                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2043                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2044                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2044                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2044                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2045                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2045                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2045                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2046                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2046                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2046                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2047                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2047                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2047                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2048                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2048                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2048                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2049                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2049                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2049                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2050                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2050                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2050                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2051                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2051                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2051                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2052                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2052                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2052                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2053                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2053                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |

# ENHANCED GROUND-WATER RIGHTS TRANSFER SPREADSHEET

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IDAHO DEPARTMENT OF WATER RESOURCES

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ENTER STARTING DATE FOR

SIMULATION. THEN PUSH

"UPDATE DATES" BUTTON

YEAR

1953

TRANSFER NAME:

SEASON

WINTER

▼

Wickel

ENTER CELL LOCATIONS:

|        | NEW S. WELL | NORTH WELL | 'FROM2' CELL | 'FROM3' CELL | 45-2468  | 12/9/1953 | 296.0 AFA  |
|--------|-------------|------------|--------------|--------------|----------|-----------|------------|
| ROW    | 90          | 87         | 90           |              | 45-7336  | 1/24/1978 | 1600.0 AFA |
| COLUMN | 59          | 62         | 61           |              | 45-13773 | 3/15/1968 | 284.0 AFA  |

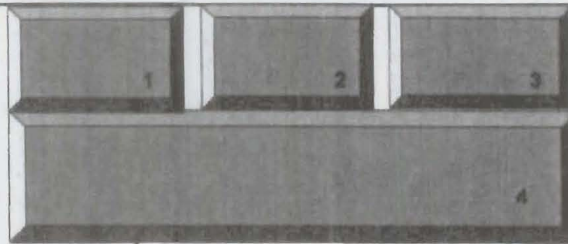
| TRIMESTER<br>OF<br>ACTIVITY | Proposed Well<br>Projected Use<br>AF/TRIMESTER | Existing 45-2468 Well:        |                                  | Existing 45-7336, 45-13773 Well |                                  | FROM3 WELL                    |                                  |
|-----------------------------|------------------------------------------------|-------------------------------|----------------------------------|---------------------------------|----------------------------------|-------------------------------|----------------------------------|
|                             |                                                | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER   | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER |
| WIN 2053                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2054                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2054                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2054                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2055                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2055                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2055                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2056                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2056                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2056                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2057                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2057                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2057                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2058                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2058                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2058                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2059                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2059                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2059                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2060                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2060                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2060                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2061                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2061                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2061                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2062                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2062                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2062                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2063                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2063                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2063                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2064                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2064                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2064                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2065                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2065                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2065                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2066                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2066                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2066                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2067                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2067                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2067                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2068                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2068                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2068                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2069                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2069                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2069                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2070                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2070                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2070                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2071                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2071                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2071                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2072                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2072                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2072                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2073                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2073                    | 726.7                                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |

# ENHANCED GROUND-WATER RIGHTS TRANSFER SPREADSHEET

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPARTMENT OF WATER RESOURCES

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set up for user entries



ENTER STARTING DATE FOR  
SIMULATION. THEN PUSH TRANSFER NO:  
"UPDATE DATES" BUTTON  
YEAR 1953 TRANSFER NAME:  
SEASON WINTER Wickel

ENTER CELL LOCATIONS:

|        | NEW S. WELL | NORTH WELL | 'FROM2' CELL | 'FROM3' CELL | 45-2468  | 12/9/1953 | 296.0 AFA  |
|--------|-------------|------------|--------------|--------------|----------|-----------|------------|
| ROW    | 90          | 87         | 90           |              | 45-7336  | 1/24/1978 | 1600.0 AFA |
| COLUMN | 59          | 62         | 61           |              | 45-13773 | 3/15/1968 | 284.0 AFA  |

| TRIMESTER<br>OF<br>ACTIVITY | Proposed Well<br>Projected Use | Existing 45-2468 Well:        |                                  | Existing 45-7336, 45-13773 Well |                                  | FROM3 WELL                    |                                  |
|-----------------------------|--------------------------------|-------------------------------|----------------------------------|---------------------------------|----------------------------------|-------------------------------|----------------------------------|
|                             | AF/TRIMESTER                   | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER   | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER |
| WIN 2073                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2074                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2074                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2074                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2075                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2075                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2075                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2076                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2076                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2076                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2077                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2077                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2077                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2078                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2078                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2078                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2079                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2079                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2079                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2080                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2080                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2080                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2081                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2081                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2081                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2082                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2082                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2082                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2083                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2083                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2083                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2084                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2084                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2084                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2085                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2085                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2085                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2086                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2086                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2086                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2087                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2087                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2087                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2088                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2088                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2088                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2089                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2089                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2089                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2090                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2090                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2090                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2091                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2091                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2091                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2092                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2092                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2092                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2093                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2093                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |

# **ENHANCED GROUND-WATER RIGHTS TRANSFER SPREADSHEET**

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE

IDAHO DEPARTMENT OF WATER RESOURCES

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ENTER STARTING DATE FOR  
SIMULATION. THEN PUSH    TRANSFER NO:  
"UPDATE DATES" BUTTON

YEAR                      1953    TRANSFER NAME:  
SEASON    WINTER    Wickel

ENTER CELL LOCATIONS:

|        | NEW S. WELL | NORTH WELL | 'FROM2' CELL | 'FROM3' CELL | 45-2468  | 12/9/1953 | 296.0 AFA  |
|--------|-------------|------------|--------------|--------------|----------|-----------|------------|
| ROW    | 90          | 87         | 90           |              | 45-7336  | 1/24/1978 | 1600.0 AFA |
| COLUMN | 59          | 62         | 61           |              | 45-13773 | 3/15/1968 | 284.0 AFA  |

| TRIMESTER<br>OF<br>ACTIVITY | Proposed Well<br>Projected Use | Existing 45-2468 Well:        |                                  | Existing 45-7336, 45-13773 Well |                                  | FROM3 WELL                    |                                  |
|-----------------------------|--------------------------------|-------------------------------|----------------------------------|---------------------------------|----------------------------------|-------------------------------|----------------------------------|
|                             | AF/TRIMESTER                   | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER   | Without Transfer<br>AF/TRIMESTER | With Transfer<br>AF/TRIMESTER | Without Transfer<br>AF/TRIMESTER |
| WIN 2093                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2094                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2094                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2094                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2095                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2095                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2095                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2096                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2096                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2096                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2097                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2097                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2097                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2098                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2098                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2098                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2099                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2099                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2099                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2100                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2100                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2100                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2101                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2101                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2101                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2102                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2102                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| WIN 2102                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SPR 2103                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |
| SUM 2103                    | 726.7                          | 0.0                           | 98.7                             | 0.0                             | 628.0                            | 0.0                           | 0.0                              |