Big & Little Wood River Delivery Calls – 2015

Preliminary Overview of Delivery Call Water Rights

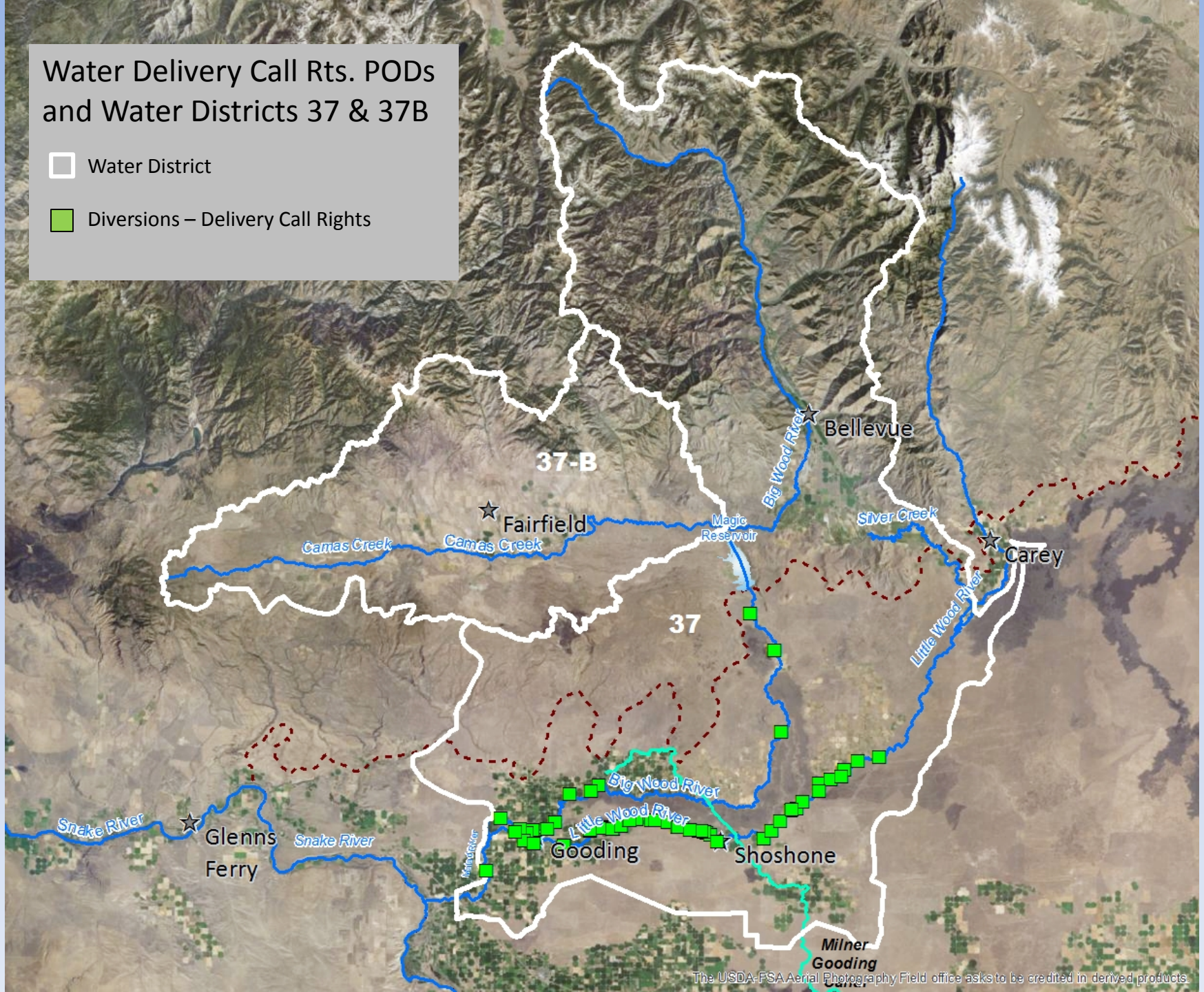
Tim Luke, IDWR

Shoshone, ID; 05/04/2015

Summary of Delivery Call Rights

Big & Little Wood Rivers

- 80 Water Rights Total
- 39 Separate Owners
  - 6 rights owned by Big Wood Canal Co. (BWCC)
- 73 Irrigation Rights (154.2 cfs)
- 1 Winter Stock Right (75 cfs – BWCC)
- 6 Ground Water Recharge Rts (7.2 cfs - City of Gooding)
- Overlapping water rights from different water sources
  - Big Wood R, Little Wood R, Snake R, ground water


Water Delivery Call Rts. PODs and Water Districts 37 & 37B
Water District
Diversions – Delivery Call Rights
37-B
37
Bellevue
Fairfield
Carey
Big Wood River
Silver Creek
Magic Reservoir
Camas Creek
Camas Creek
Little Wood River
Big Wood River
Little Wood River
Snake River
Snake River
Glenns Ferry
Gooding
Shoshone
Milner
Gooding
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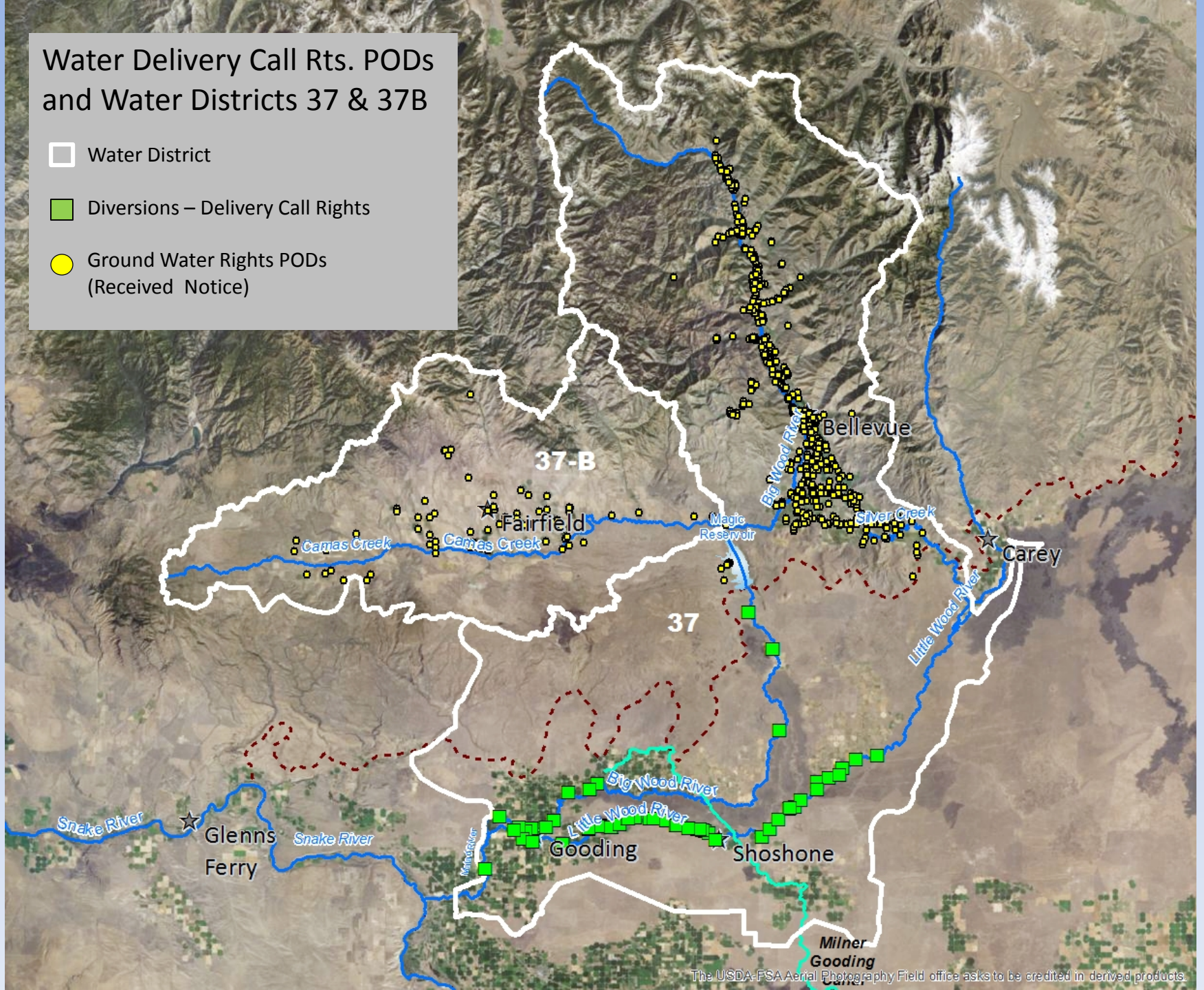
Water Delivery Call Rts. PODs and Water Districts 37 & 37B
Water District
Diversions – Delivery Call Rights
Ground Water Rights PODs (Received Notice)
37-B
37
Fairfield
Bellevue
Carey
Magic Reservoir
Big Wood River
Silver Creek
Camas Creek
Camas Creek
Little Wood River
Big Wood River
Little Wood River
Gooding
Shoshone
Glenns Ferry
Snake River
Snake River
Milner
Gooding
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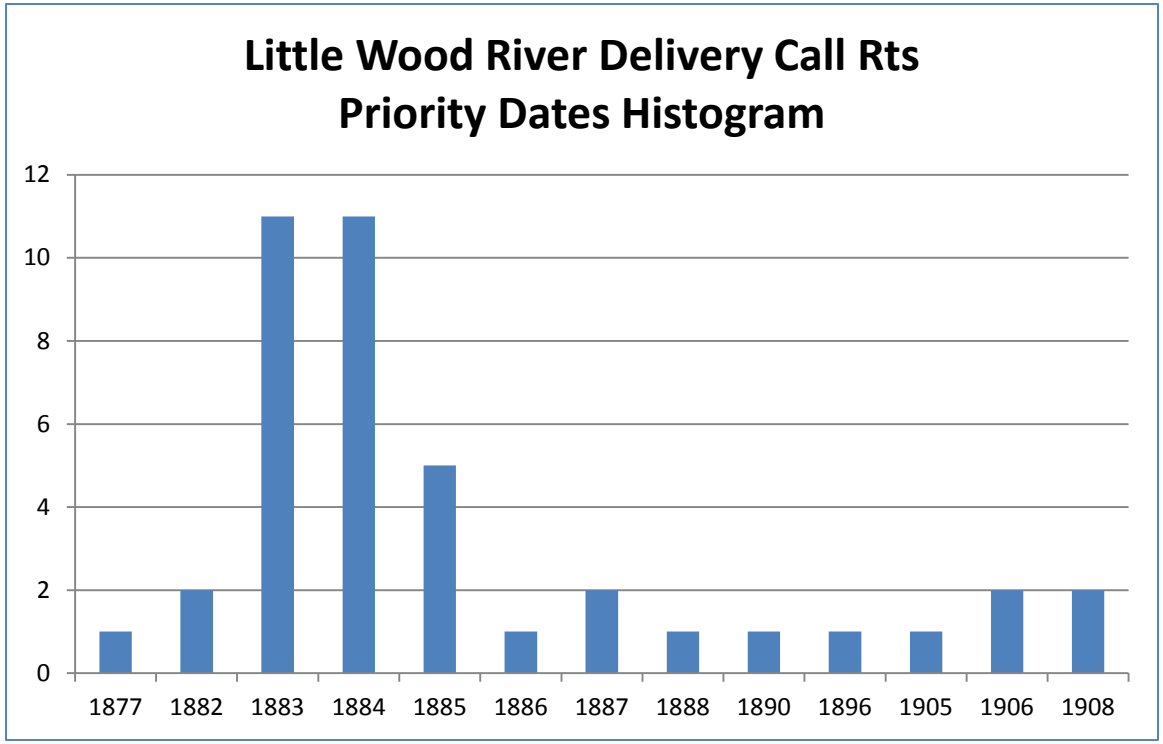
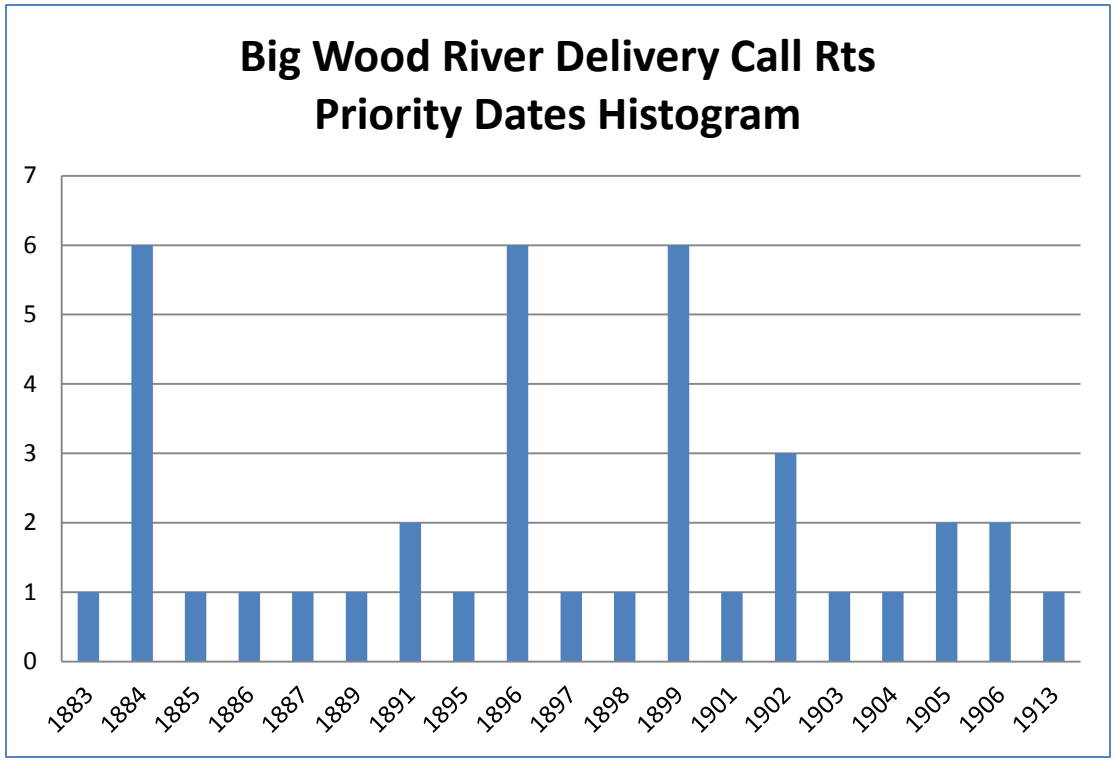
Summary of Delivery Call Rights

- Little Wood River
  - 41 Water Rights total



Summary of Delivery Call Rights

- Big Wood River
  - 39 Water Rights total

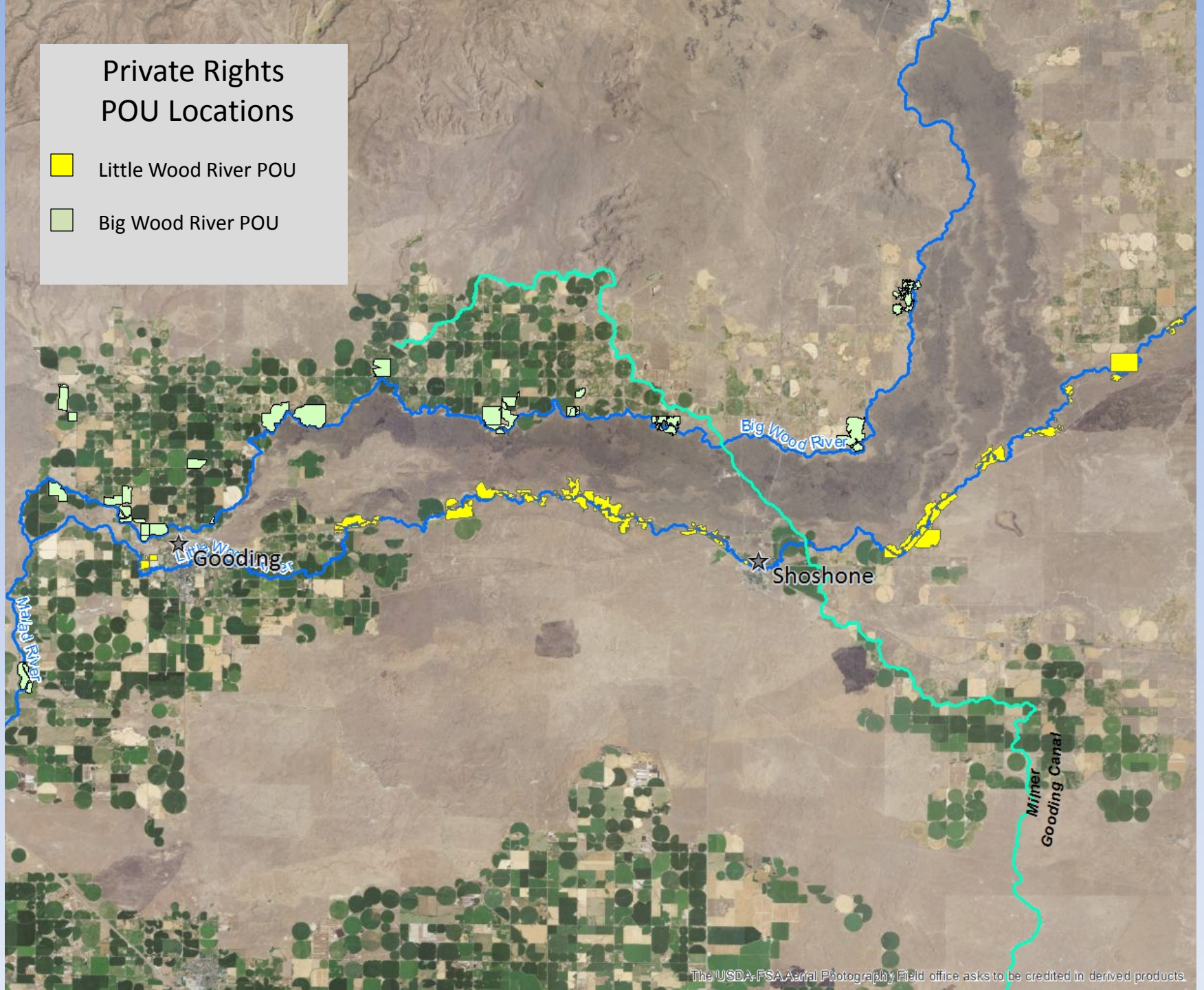


Summary of Delivery Call Rights

Big & Little Wood Rivers

Irrigated Acres per Water Right Decrees

- Individual owned rights: 4,736 acres


Private Rights
POU Locations
Little Wood River POU
Big Wood River POU
Big Wood River
Gooding
Shoshone
Malad River
Milner
Gooding Canal
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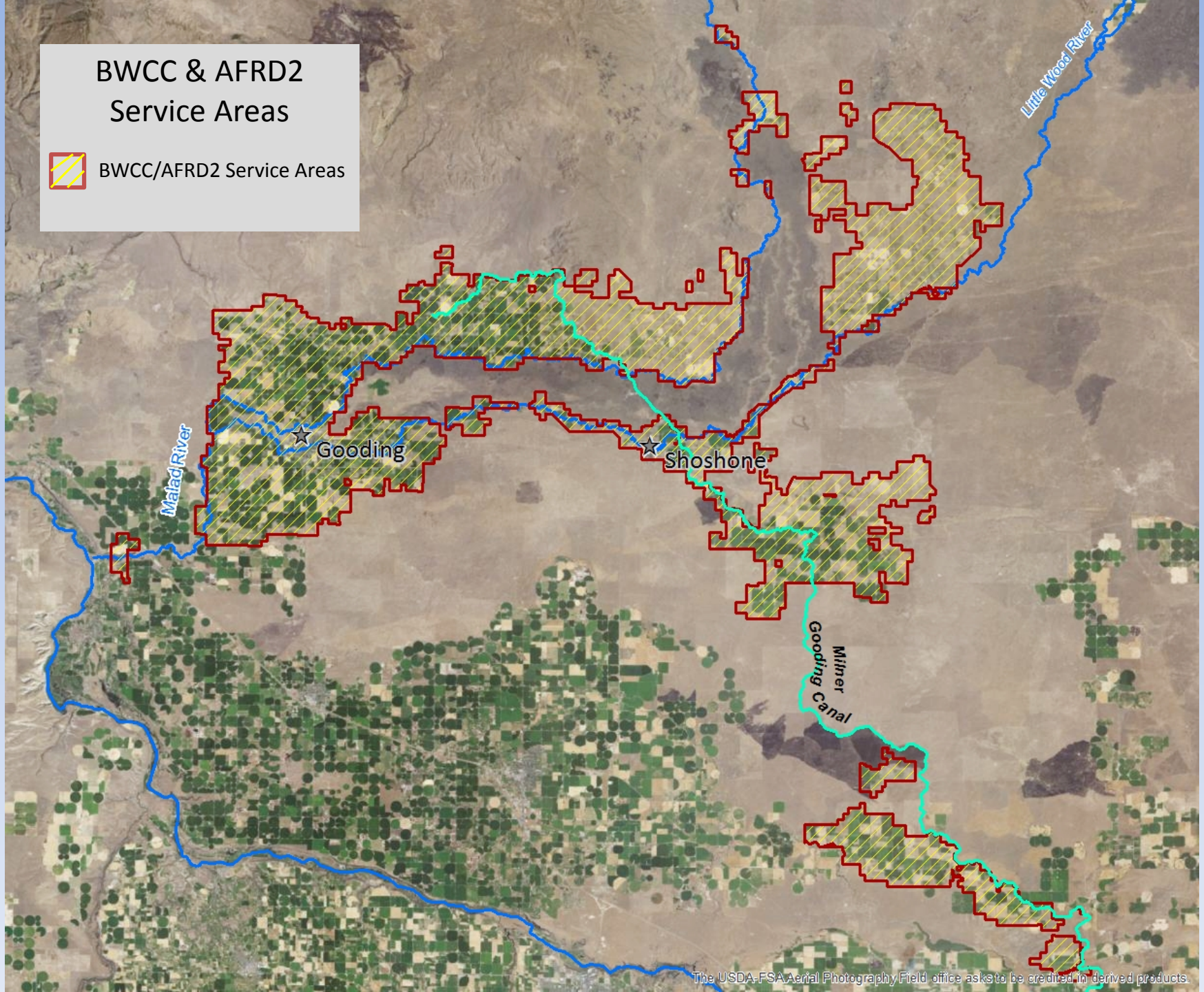
Summary of Delivery Call Rights

Big & Little Wood Rivers

BWCC Irrigated Acres per Water Right Decrees

- Irrigated acres within large service area
  - Big & Little Wood River rights limited to 74,000 acres
  - **Little Wood River rights** limited to 39,683 acres w/in 74,000 acres
  - Same service area as American Falls Reservoir Dist. No. 2 (AFRD2)
    - AFRD2 delivers Snake River water via Milner Gooding Canal
    - AFRD2 rights limited to 62,361 acres


BWCC & AFRD2
Service Areas
BWCC/AFRD2 Service Areas
Little Wood River
Malad River
Gooding
Shoshone
Milner
Gooding Canal
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Summary of Delivery Call Rights

Big & Little Wood Rivers - Diversions

Total Diversions

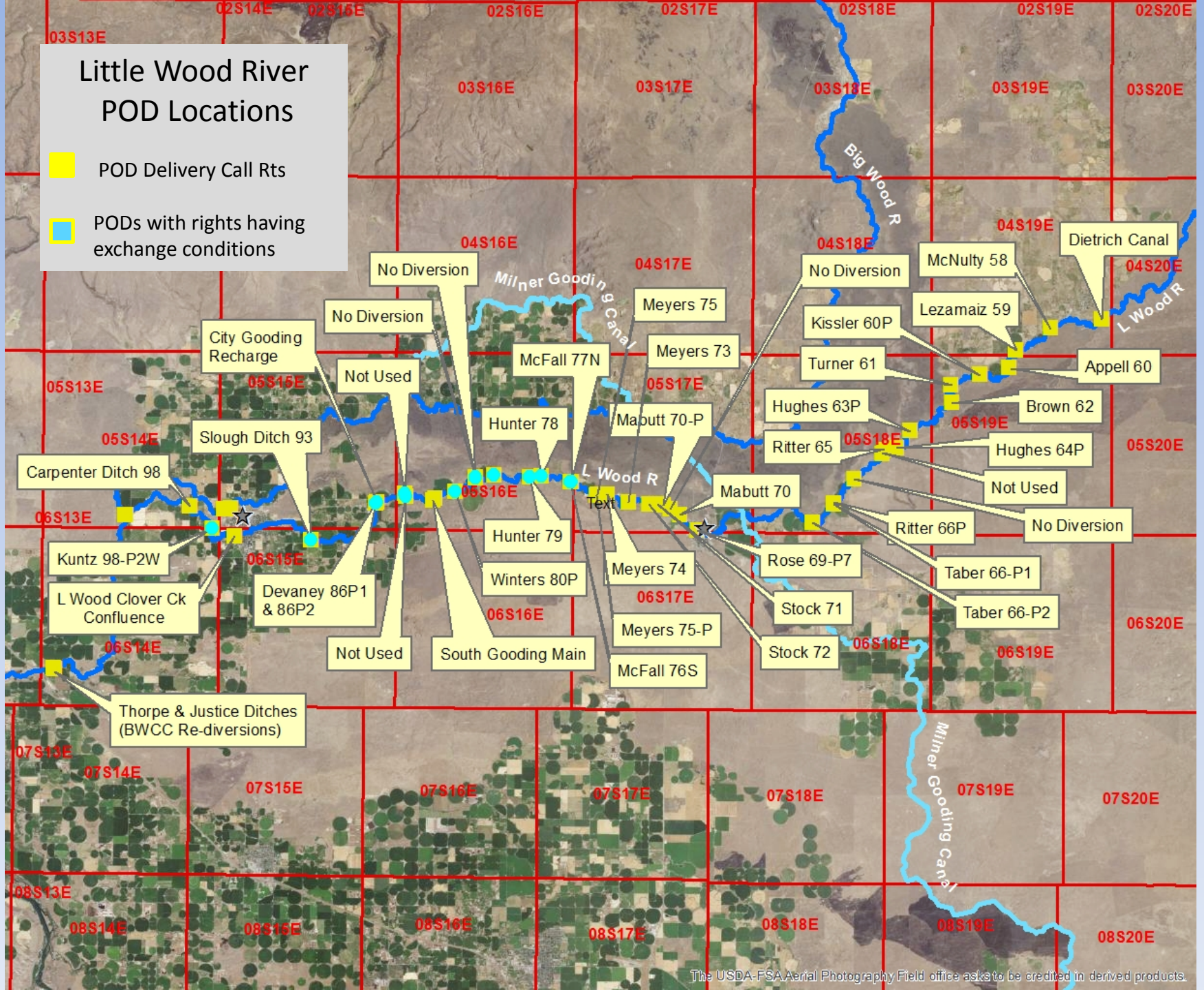
- ≈ 55 Water Rt. Decree PODs; 43 PODs Used;
  - Additional points of injection & points of re-diversion

Little Wood River Diversions

- 42 Water Rt. Decree PODs; 34 PODs Used
  - BWCC Rts.: 7 PODs, 2 Injections, 4 Re-diversions

Big Wood River Diversions

- 13 Water Rt. Decree PODs; 9 PODs Used


Little Wood River
POD Locations
POD Delivery Call Rts
PODs with rights having exchange conditions
02S14E
02S16E
02S17E
02S18E
02S19E
02S20E
03S13E
03S16E
03S17E
03S18E
03S19E
03S20E
04S16E
04S17E
04S18E
04S19E
04S20E
05S13E
05S15E
05S17E
05S18E
05S19E
05S20E
06S13E
06S14E
06S15E
06S16E
06S17E
06S18E
06S19E
06S20E
07S13E
07S14E
07S15E
07S16E
07S17E
07S18E
07S19E
07S20E
08S13E
08S14E
08S16E
08S16E
08S17E
08S18E
08S19E
08S20E
Big Wood R
Milner Gooding Canal
L Wood R
Text
No Diversion
No Diversion
City Gooding Recharge
Not Used
McFall 77N
Meyers 75
Meyers 73
Hunter 78
Mabutt 70-P
Slough Ditch 93
Carpenter Ditch 98
Kuntz 98-P2W
L Wood Clover Ck Confluence
Devaney 86P1 & 86P2
Hunter 79
Winters 80P
Meyers 74
Meyers 75-P
McFall 76S
Not Used
South Gooding Main
Thorpe & Justice Ditches (BWCC Re-diversions)
No Diversion
McNulty 58
Dietrich Canal
Kissler 60P
Lezamaiz 59
Turner 61
Appell 60
Hughes 63P
Brown 62
Ritter 65
Hughes 64P
Not Used
Mabutt 70
No Diversion
Ritter 66P
Rose 69-P7
Taber 66-P1
Stock 71
Taber 66-P2
Stock 72
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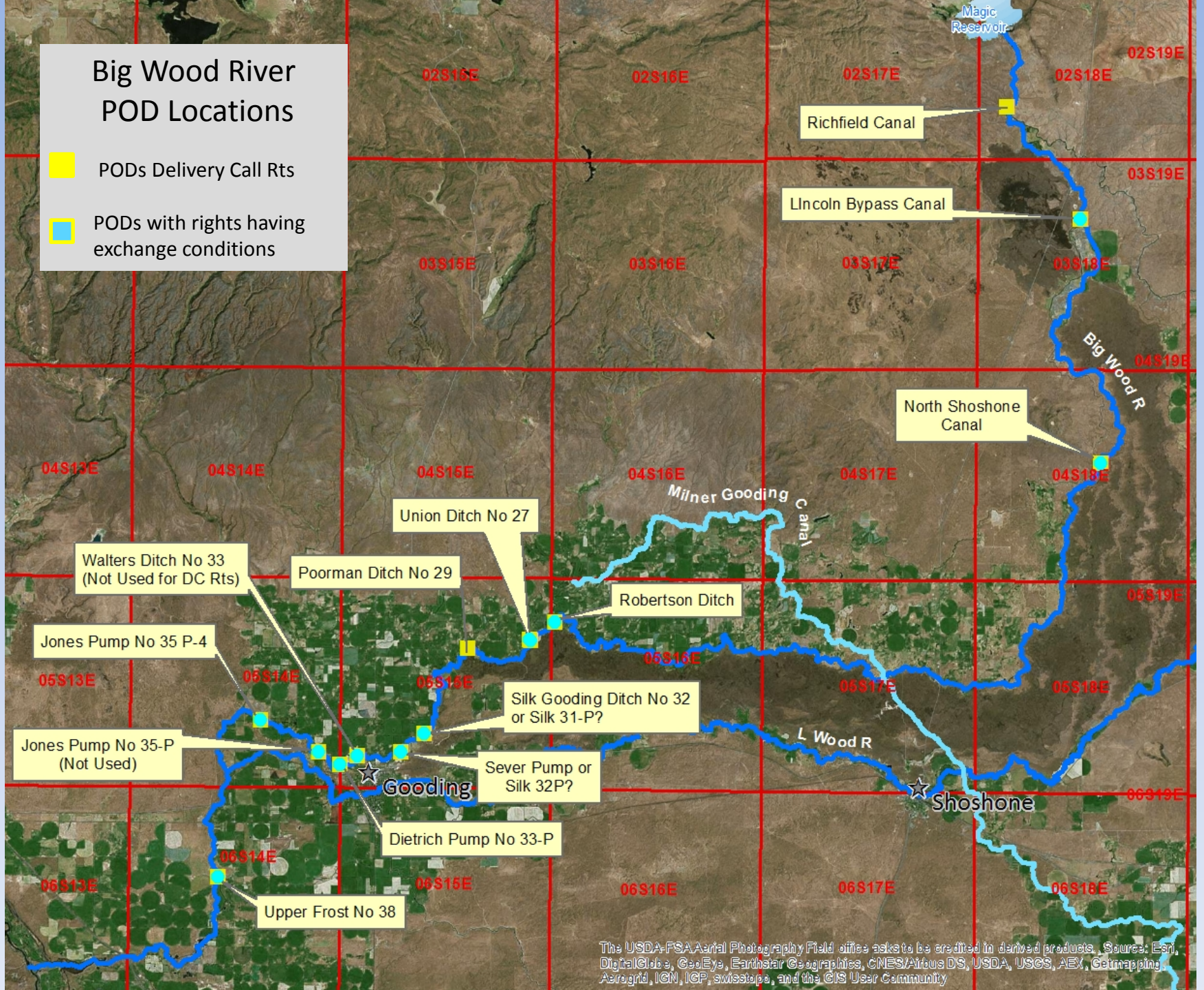

Big Wood River
POD Locations
PODs Delivery Call Rts
PODs with rights having exchange conditions
Magic Reservoir
Richfield Canal
LIncoln Bypass Canal
North Shoshone Canal
Big Wood R
Milner Gooding Canal
Union Ditch No 27
Walters Ditch No 33
(Not Used for DC Rts)
Poorman Ditch No 29
Robertson Ditch
Jones Pump No 35 P-4
Silk Gooding Ditch No 32
or Silk 31-P?
Jones Pump No 35-P
(Not Used)
Sever Pump or
Silk 32P?
Gooding
L Wood R
Shoshone
Dietrich Pump No 33-P
Upper Frost No 38
02S16E
02S17E
02S18E
02S19E
03S15E
03S16E
03S17E
03S18E
03S19E
04S13E
04S14E
04S15E
04S16E
04S17E
04S18E
04S19E
05S13E
05S14E
05S15E
05S16E
05S17E
05S18E
05S19E
06S13E
06S14E
06S15E
06S16E
06S17E
06S18E
06S19E
The USDA-FSA Aerial Photography Field office asks to be credited in derived products. Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Summary of Delivery Call Rights

Big & Little Wood Rivers

Water Right Exchange Condition (Condition 161)

- Delivery of right subject to exchange provisions per Bureau of Reclamation contracts between United States, BWCC and AFRD2
  - 40 of 80 Delivery Call rights have this condition
    - » 20 rights from Big Wood River
    - » 20 rights from Little Wood River
    - » POUs are below Milner Gooding Canal
    - » BWCC Little Wood rights do not have this condition

Summary of Delivery Call Rights

Big & Little Wood Rivers

Combined use Conditions

- Use of right is combined with water from BWCC and/or AFRD2
  - 55 of 80 Delivery Call rights have this condition
    - » 30 rights from Big Wood R. (incld. 18 rts with 161 cond.)
    - » 25 rights from Little Wood R. (incld. 11 rts with 161 cond.)
    - » POUs below and above Milner Gooding Canal
    - » 6 BWCC Little Wood Rts. do not have this condition

Summary of Delivery Call Rights

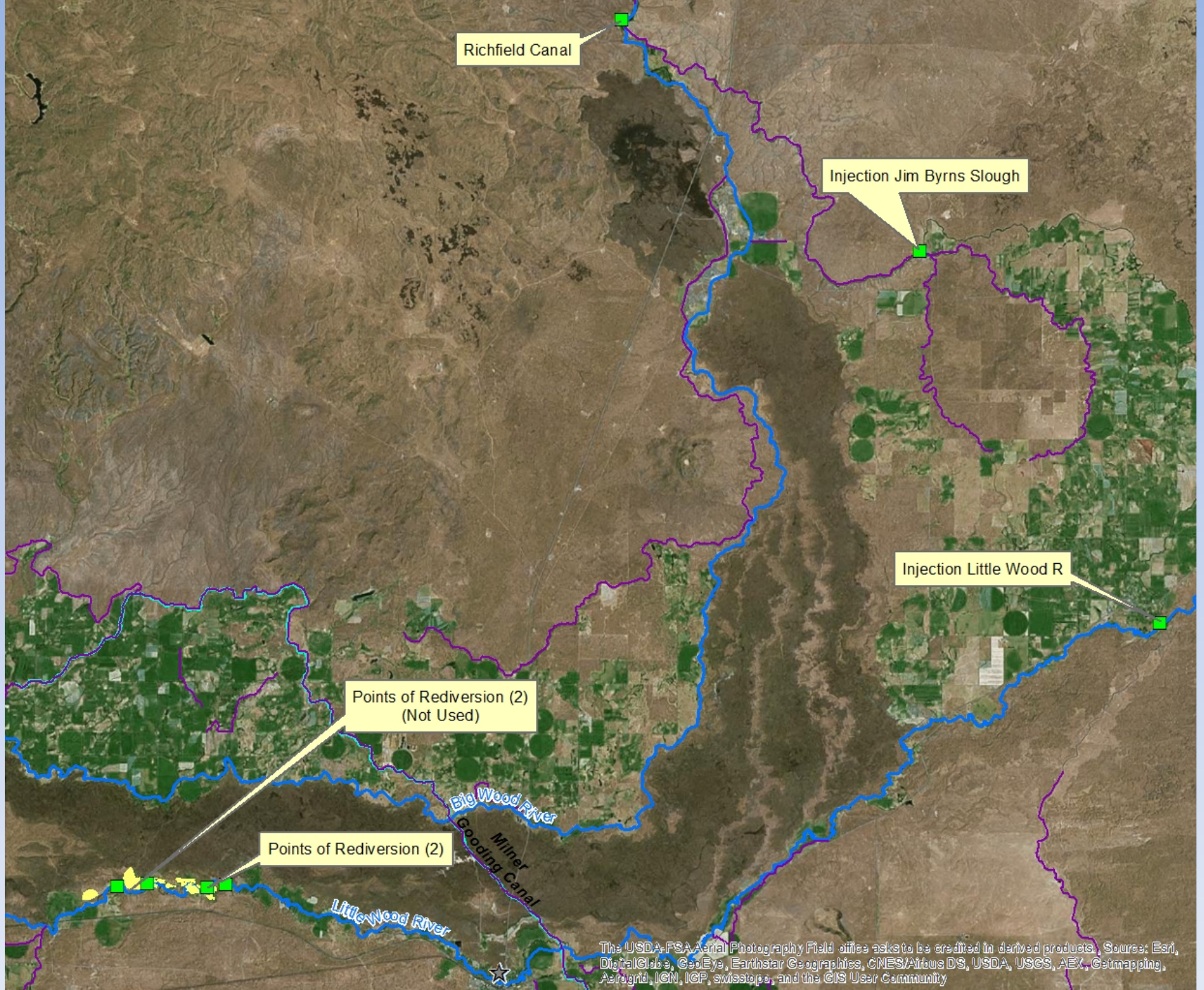
Big & Little Wood Rivers

- 66 of 80 Rights have either Exchange Condition or BWCC/AFRD2 Combined Use Condition
  - POU for all 80 rights are within BWCC/AFRD2 POU service areas
  - Rights without these conditions may still be combined with BWCC and/or AFRD2

Call Rights – Delivery Example

Example 1:

- 1899 Priority Rt from Big Wood R (2.3 cfs)
  - Diverted at Richfield Canal with other river rights & storage
  - Injected to Jim Byrns Slough (≈ 10 miles)
  - Injected to Little Wood River (≈ 10 miles)
  - Re-diverted from Little Wood R. ≈24 miles downstream at 4 points of re-diversion (2 points not used per watermaster)
  - Subject to 27% conveyance loss
  - Priority cut different than other Big Wood Rts per WM (Cottonwood Decree)
  - Right is combined with two other Little Wood River rights, plus water from AFRD2 as per water right condition


Richfield Canal
Injection Jim Byrns Slough
Injection Little Wood R
Points of Rediversion (2)
(Not Used)
Points of Rediversion (2)
Big Wood River
Gooding Canal
Milner
Little Wood River
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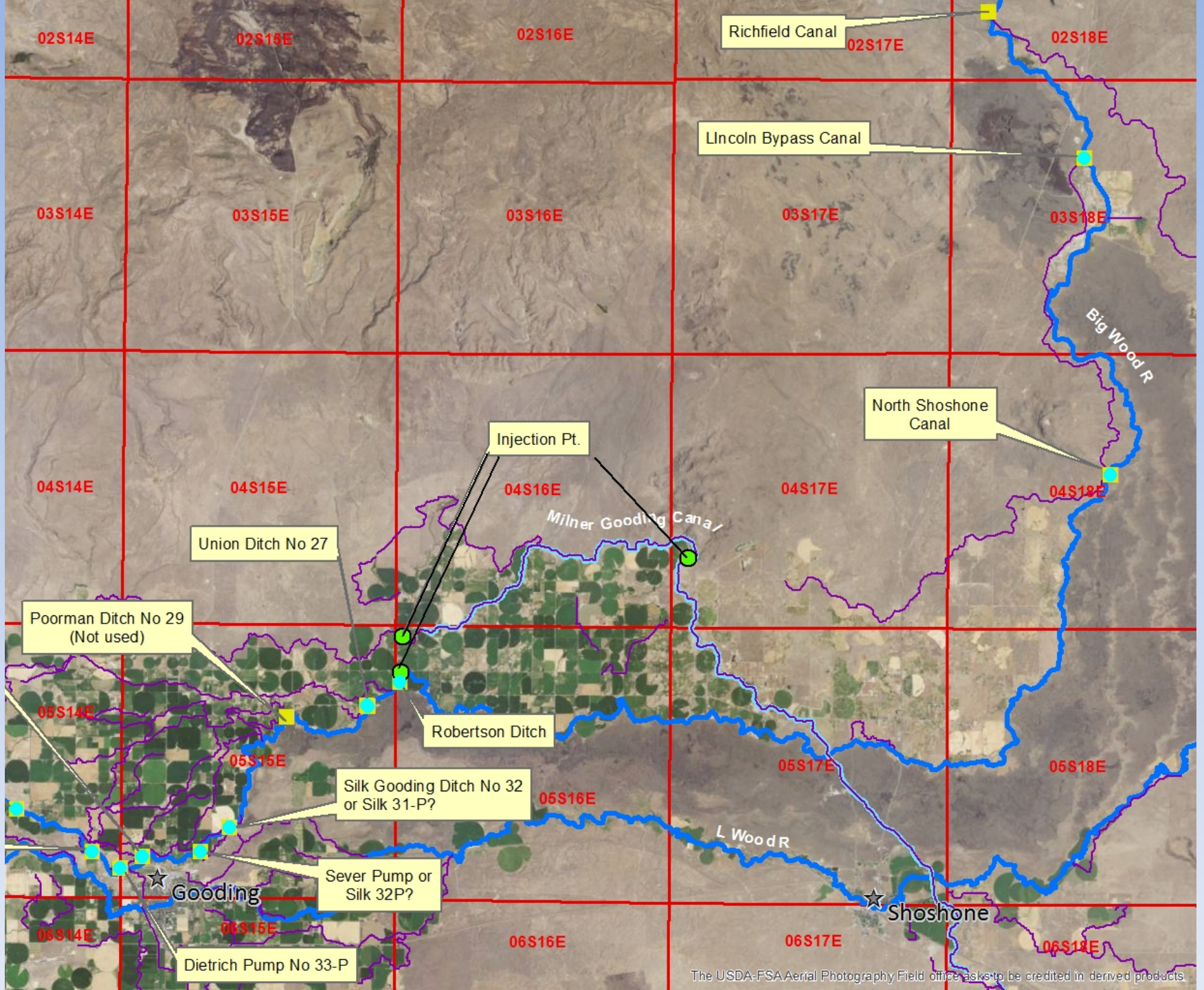
Call Rights – Delivery Example

Example 2:

- Various Priority Rts from Big Wood River
  - Water right PODs on Big Wood R northeast of Gooding
  - Per watermaster, priority delivery based on inflows to Magic Res. even though Big Wood flows near Gooding may be different and include injections of AFRD2, BWCC, return flows etc.
  - Water right conditions: exchange (161) & combined w/AFRD2 and/or BWCC


Richfield Canal
LIncoln Bypass Canal
Big Wood R
North Shoshone Canal
Injection Pt.
Milner Gooding Canal
Union Ditch No 27
Poorman Ditch No 29 (Not used)
Robertson Ditch
Silk Gooding Ditch No 32 or Silk 31-P?
Sever Pump or Silk 32P?
Dietrich Pump No 33-P
L Wood R
Gooding
Shoshone
02S14E
02S15E
02S16E
02S17E
02S18E
03S14E
03S15E
03S16E
03S17E
03S18E
04S14E
04S15E
04S16E
04S17E
04S18E
05S14E
05S15E
05S16E
05S17E
05S18E
06S14E
06S15E
06S16E
06S17E
06S18E
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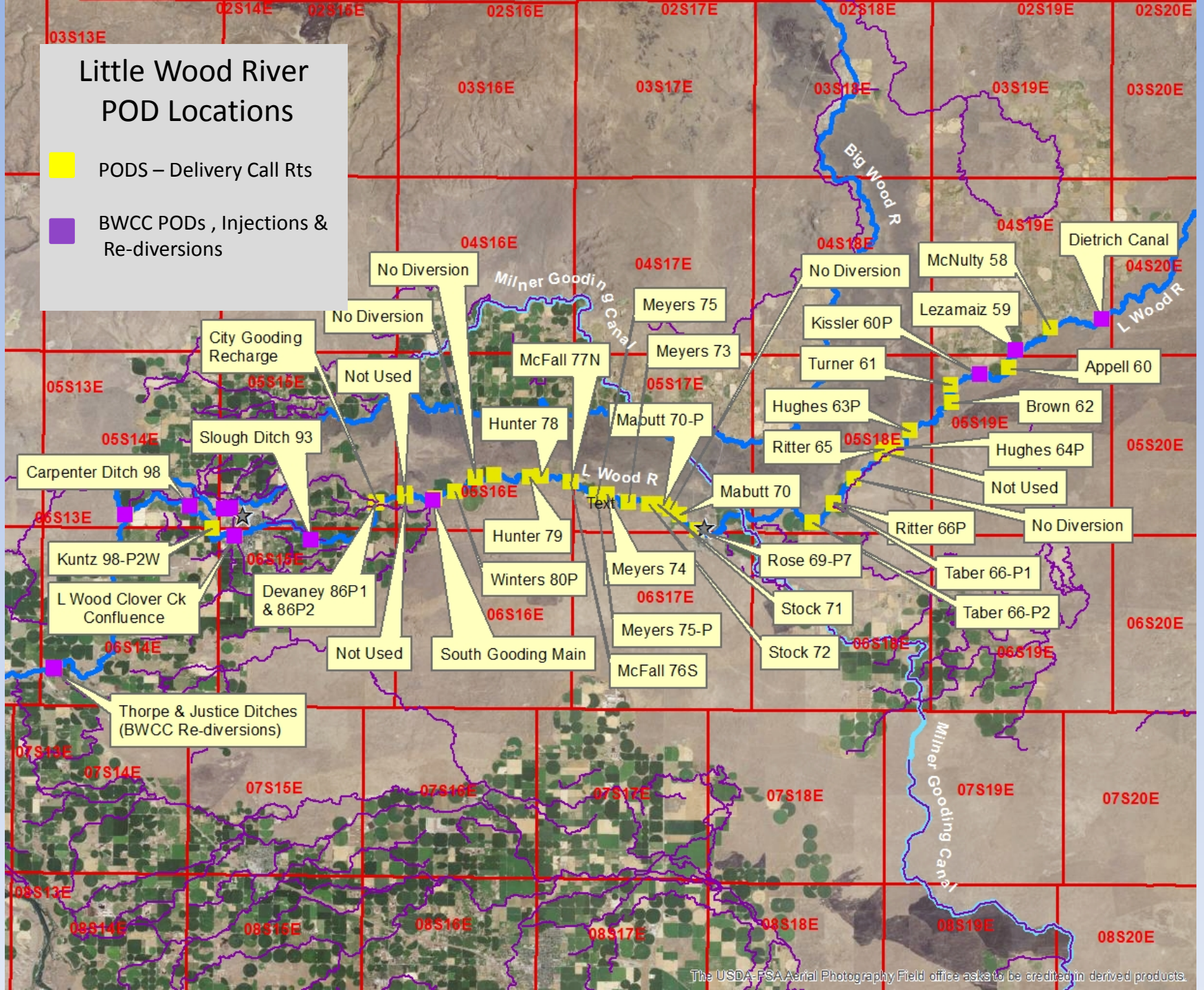
Call Rights – Delivery Example

Example 3:

- BWCC Irrigation Rts. from Little Wood River
  - 5 rights with various priority dates
  - All 5 rights have 7 PODs, 2 injection points, 4 points of re-diversion
  - Rights are diverted or commingled with other water rights & sources


Little Wood River
POD Locations
PODS – Delivery Call Rts
BWCC PODs , Injections &
Re-diversions
No Diversion
No Diversion
City Gooding
Recharge
Not Used
Slough Ditch 93
Carpenter Ditch 98
Kuntz 98-P2W
L Wood Clover Ck
Confluence
Devaney 86P1
& 86P2
Not Used
Thorpe & Justice Ditches
(BWCC Re-diversions)
Milner Gooding Canal
McFall 77N
Hunter 78
Hunter 79
Winters 80P
South Gooding Main
Meyers 75
Meyers 73
Mabutt 70-P
Meyers 74
Meyers 75-P
McFall 76S
L Wood R
Text
No Diversion
McNulty 58
Kissler 60P
Lezamaiz 59
Turner 61
Appell 60
Hughes 63P
Brown 62
Ritter 65
Hughes 64P
Mabutt 70
Not Used
Ritter 66P
No Diversion
Rose 69-P7
Taber 66-P1
Stock 71
Taber 66-P2
Stock 72
Dietrich Canal
L Wood R
Big Wood R
Milner Gooding Canal
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Additional Information Needs

- Confirm water right POD locations
  - (diversions/injections/re-diversions)
- Confirm water right POU locations & overlaps
- Confirm if private right owners are BWCC/AFRD2 shareholders
- Obtain understanding of water exchanges per water right condition no. 161

Additional Information Needs

- Document diversion measuring devices/methods
  - Include injections & re-diversions
- Obtain delivery records from all water sources
- Gather information regarding delivery shortages
  - Info from users, delivery entities, IDWR analysis/tools

VALLEY