MEMORANDUM

TO: John Westra

FROM: Angie Grimm

DATE: August 5, 2014

RE: June 25, 2014 Pine Creek Diversion Inspections

On 6/25/14, I accompanied Brandi Horton (Water District 67 Watermaster) to inspect Pine Creek diversions and measurement devices for compliance with the measurement order issued 9/3/2013. Attached is a map and pictures of the diversion sites visited including the headgate and measuring device (if present) at each site. The current owners (and associated water rights) indicated with each diversion site are based on the Watermaster's knowledge of water users of each diversion. The associated water rights in parentheses are based on the recorded POD location and water right owners/users referenced to the water right database. The water rights are listed for reference and may or may not be all or part of the water rights diverted at each site.

Summary of Diversion Site Inspections

Site #1 (Little Pine Creek) "Cuddy Meadows":

- Lockable headgate located T16N R04W 22 NESE (GPS N44° 42.473' W116° 47.908').
- Acceptable measurement device on bubbler downstream from diversion located T16N R04W 22 NESE (GPS N44° 42.480' W116° 47.927').
- Water user(s) Cuddy Meadows Ranch LLP (67-196, 67-198, 67-199 & 67-2113A) & Mackey (now owned by McCaughan per Watermaster).
- Headgate left open at time of inspection.

Site #2 (Pine Creek) "Mink":

- Ditch diversion located T15N R04W 14 SWSE (GPS N44° 37.842' W116° 47.144').
- Acceptable measurement device rectangular weir blade in ditch located T15N R04W 14 SWSE (GPS N44° 37.809' W116° 47.129').
- Water user(s) Mink Land & Livestock Co. (67-4050).
- Diversion does not have a lockable headgate (rocks, other debris present in ditch, evident once used to divert water).
- No diversion occurring at time of inspection.

Site #3 (Pine Creek) "Schwartz":

- Pump diversion located in T15N R04W 23 SENE (GPS N44° 37.419' W116° 46.668').
- Water user(s) Schwartz (67-195 per proposed Transfer No. 78950).

- No lockable headgate on diversion, diversion via pump and pipeline to sprinklers.
- No measurement device in place. Owner (Frank Schwartz) spoke with Watermaster during visit regarding his plans to purchase a pipe flowmeter.
- Diversion occurring at time of inspection.

Site #4 (East Pine Creek) "Mink Advent Gulch":

- Lockable headgate and acceptable measurement device (weir blade) located in T16N R04W 35 NWSE (GPS N44° 40.701' W116° 47.165' headgate – weir w/in 40 ft).
- Water user(s) Mink Land & Livestock Co. (67-4050 & 67-217). WR Schwartz (67-195) formally diverted now diverting from new diversion at Site #3
- Minimal pool behind rectangular weir blade. Watermaster will speak with WR holder to improve pool.
- Headgate left open at time of inspection.

Site #5 (Pine Creek) "Horse Flat":

- Lockable headgate in disrepair located in T15N R04W 25 NESE (GPS N44° 36.307' W116° 45.559'). IDWR GPS Site Tag A0014060.
- Non-functional, old measurement device – cement channel - located in T15N R04W 25 SESE (GPS N44° 36.159' W116° 45.423').
- Water user(s) Edwards (67-14662 & 67-4059), Keller (67-12320) & Spiering.
- Headgate left open at time of inspection.

Site #6 (Pine Creek) "Hansen & Wiebe":

- Lockable headgate located in T14N R03W 05 Gov't Lot 3 NENW (GPS N44° 35.082' W116° 43.648').
- Non-functional, pre-existing concrete structure/potential measuring device [T14N R03W 04 SWNW (GPS N44° 34.772' W116° 42.726')] on smaller Weibe ditch not in a good location.
- No measuring device installed in main canal adjacent to point of diversion, despite Watermaster's request.
- Water user(s) Hansen (67-185B, 67-188, 67-186B, 67-189, 67-190, 67-4058 & 67-4057) & Wiebe (67-187 & 67-204).
- Headgate left open at time of inspection.

Site #7 (Pine Creek) "Noah Upper Diversion":

- Lockable headgate located in T14N R03W 04 NWSW (GPS N44° 34.640' W116° 42.729').
- Fish screen and potential measuring device (no weir blade in place, only 2"x4" board) located in T14N R03W 04 NWSW (GPS N44° 34.619' W116° 42.710').
- Water user(s) Noah (67-183, 67-184 & 67-4458A).
- Headgate left open at time of inspection.

Site #8 (Pine Creek) "Noah Lower Diversion":

- Lockable headgate located T14N R03W 10 NWNW (GPS N44° 34.215' W116° 41.694').

- Acceptable measurement device – replaced bulkhead around weir blade - located T14N R03W 10 NWNW (GPS N44° 34.186' W116° 41.686').
- Water user(s) Noah (67-14879, 67-14880, 67-14881, 67-14882, 67-191A, 67-4458A, 67-14883 & 67-14884), Amidon (67-192B & 67-193B) & Hauxwell.
- Headgate left open at time of inspection.

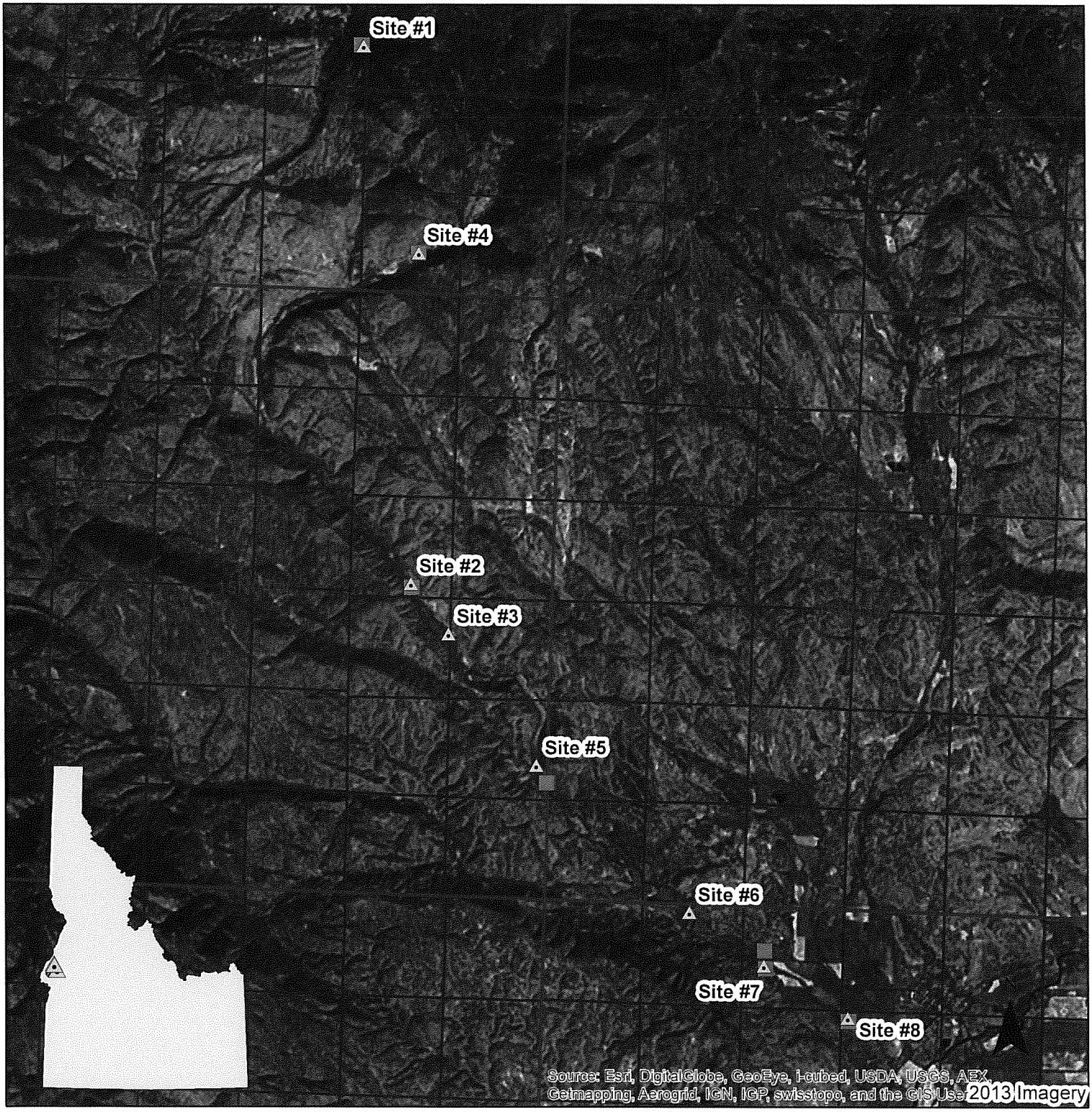
Conclusions:

- 5 diversions not in compliance with the measurement order. 2 of the 5 diversions have a lockable headgate, but no measuring device. 1 of the 5 diversions has a measuring device, but no lockable headgate. 2 of the 5 diversions do not have a lockable headgate or an operational measuring device.
- 3 diversion sites were in compliance with the order, in a manner acceptable to the watermaster. 1 of the 3 sites in compliance needs further attention/repair to allow for more accurate measurement.
- Only visited 8 diversion sites. These sites have most senior rights and/or were a source of conflict in previous water seasons. Junior diversions were not visited.

Recommendations for Further Action:

- Department should follow up with Watermaster regarding compliance actions/follow-up taken by users after site inspection conducted.
- Department should take further action to enforce Order for those users not in compliance upon Watermaster request.
- Watermaster should follow up with users of site needing further repair to measurement device to allow for more accurate measurements.

Pine Creek Diversion Inspection
6/25/2014



Legend

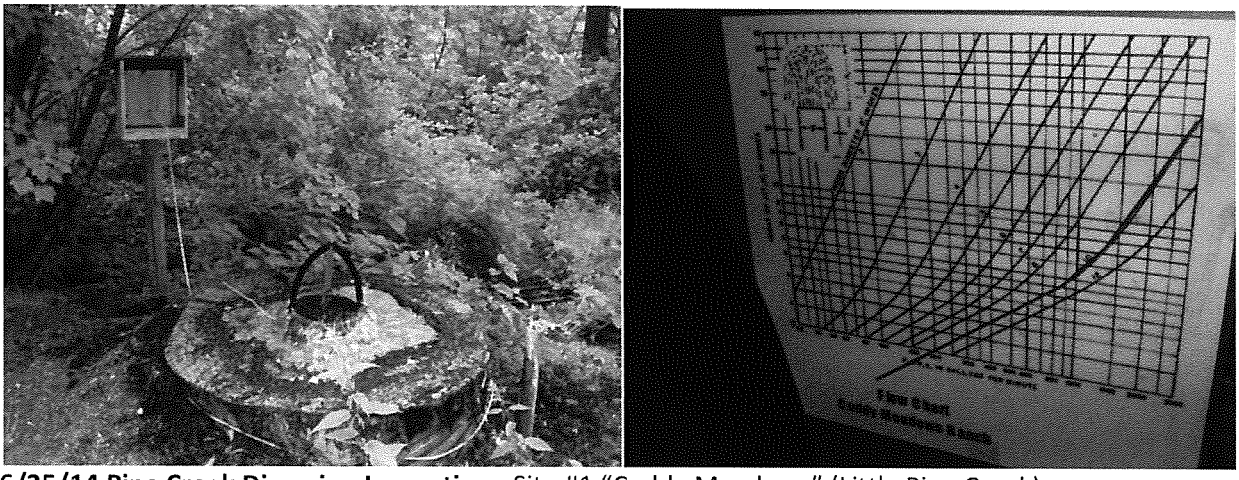
- PODs
- Measurement Devices
- Township/Range
- Sections

Miles

0 0.75 1.5 3 4.5 6

By Angie Grimm, IDWR 8/4/2014

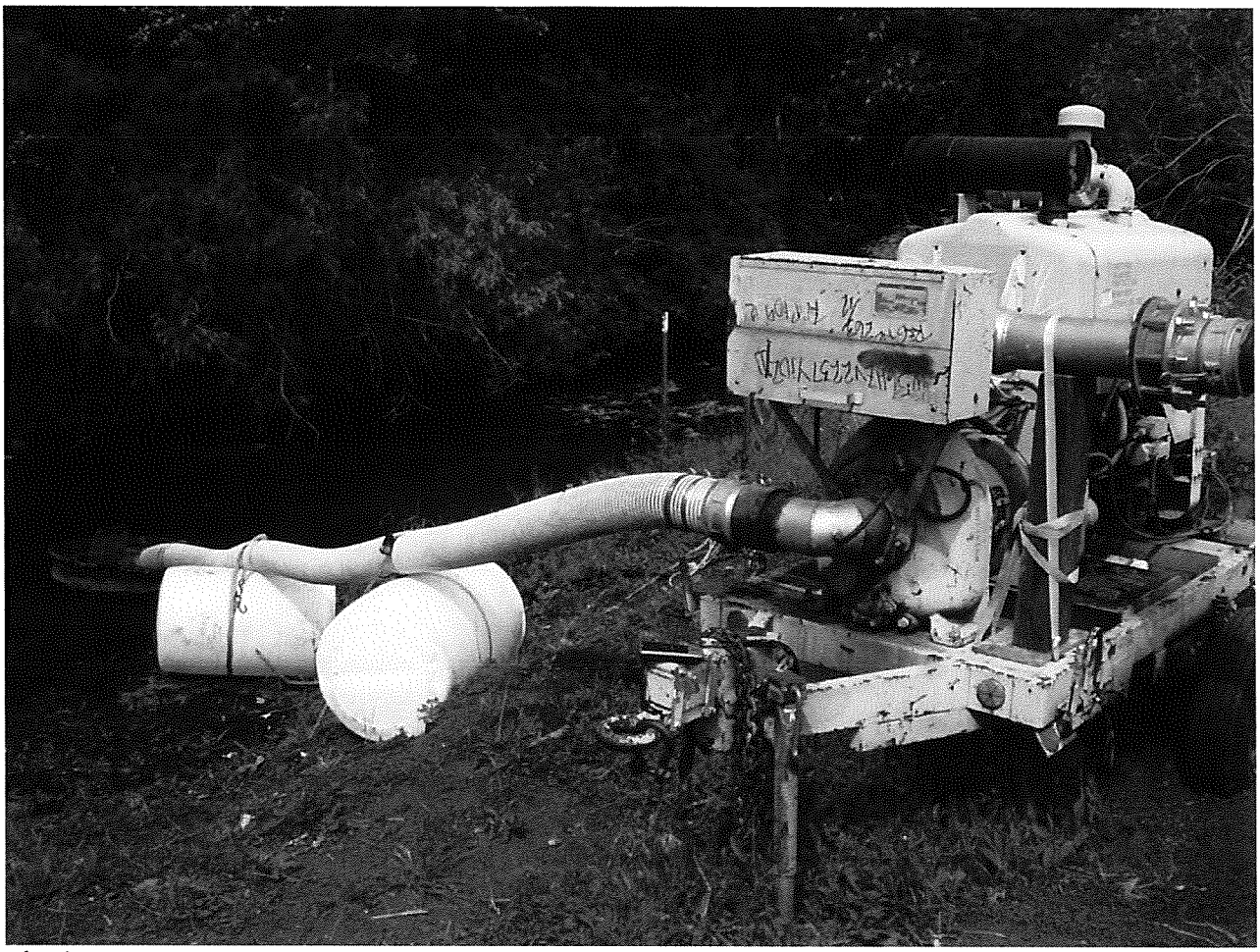
6/25/14 Pine Creek Diversion Inspection: Site #1 "Cuddy Meadows" (Little Pine Creek) headgate.



6/25/14 Pine Creek Diversion Inspection: Site #1 "Cuddy Meadows" (Little Pine Creek) measurement device on bubbler.

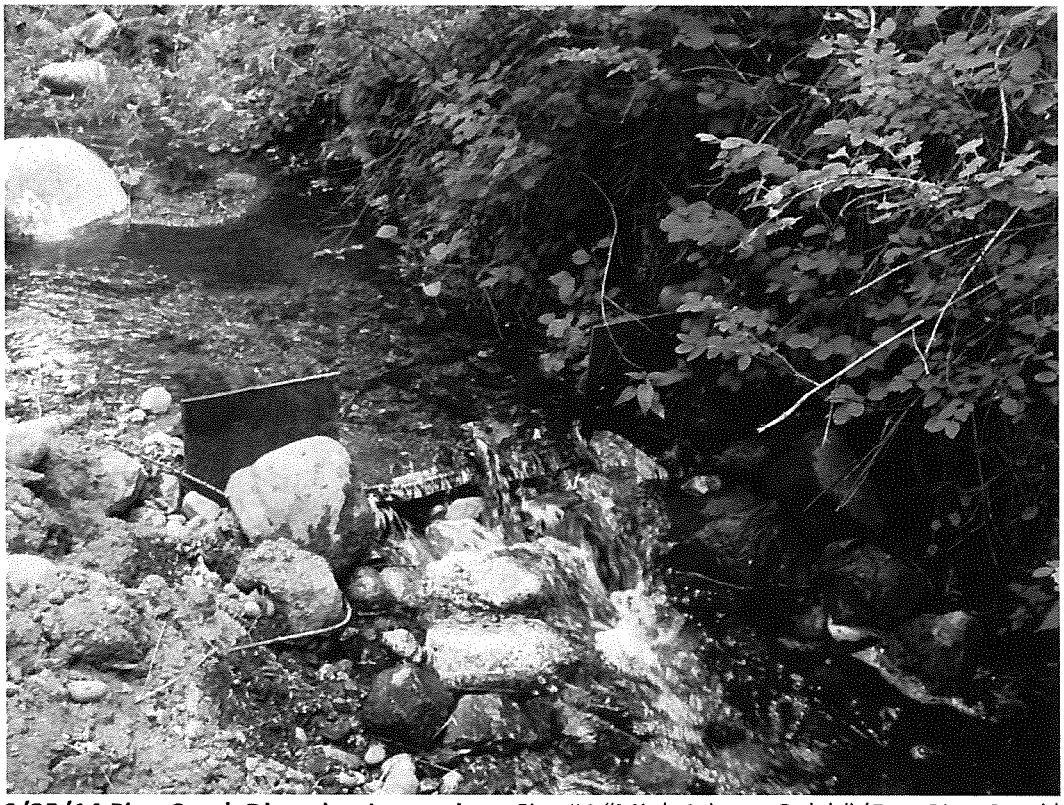
6/25/14 Pine Creek Diversion Inspection: Site #2 "Mink" (Pine Creek) head of diversion ditch off Pine Creek. No headgate in place.

6/25/14 Pine Creek Diversion Inspection: Site #2 "Mink" (Pine Creek) measurement device.



6/25/14 Pine Creek Diversion Inspection: Site #3 "Schwartz" (Pine Creek) motor and pump diversion on Pine Creek. No headgate or measuring device in place.

6/25/14 Pine Creek Diversion Inspection: Site #4 "Mink Advent Gulch" (East Pine Creek) headgate.



6/25/14 Pine Creek Diversion Inspection: Site #4 "Mink Advent Gulch" (East Pine Creek) measuring device.

6/25/14 Pine Creek Diversion Inspection: Site #5 "Horse Flat" (Pine Creek) headgate in disrepair.

6/25/14 Pine Creek Diversion Inspection: Site #5 "Horse Flat" (Pine Creek) concrete structure potential measuring device in disrepair.

6/25/14 Pine Creek Diversion Inspection: Site #6 "Hansen & Weibe" (Pine Creek) headgate.

6/25/14 Pine Creek Diversion Inspection: Site #6 "Hansen & Weibe" (Pine Creek) concrete structure potential measuring device in disrepair.

6/25/14 Pine Creek Diversion Inspection: Site #7 "Noah Upper Diversion" (Pine Creek) headgate.

6/25/14 Pine Creek Diversion Inspection: Site #7 "Noah Upper Diversion" (Pine Creek) fish screening structure with no weir blade to allow for measurement.

6/25/14 Pine Creek Diversion Inspection: Site #8 "Noah Lower Diversion" (Pine Creek) headgate.

6/25/14 Pine Creek Diversion Inspection: Site #8 "Noah Lower Diversion" (Pine Creek) measuring device.