

MEMORANDUM

Date: December 19, 2011
To: Water Right File 63-12447
From: cpalmer
Re: Licensing Memo

Owners: Through an assignment of permit, this permit has been divided into thirds. Two-thirds was assigned to Mayfield Townsite, LLC and the remaining one-third belongs to ARK Properties LLC. The final assignment included a deed that assigns the water right from ARK to Mayfield. I have attached a map that I created based on the Exhibit A of the deed. At this point its really un-clear how the ownership should appear. 2010 taxlot data further confuses the ownership since ARK appears to now own a very small corner of the water right. The license will be issued with both names on the license and the cover letter will include verbiage that they submit an ownership change form to the department.

PPU/POU: The place of use did not get developed over the authorized PPU of 980 acres. The distribution system appears to consist of the two pivots and handlines that cover approximately 200 acres. Before I address the PPU, I must clarify a discrepancy in the number of acres that are irrigated under the pivots and handlines that the field examiner reported. The field examiner reported that Pivot #1 covers 102 acres, Pivot #2 covers 98 acres and that the handlines supply 10 acres with water for a total of 210 acres. However, Attachment A of the field exam estimates that Pivot #1 covers 92 acres, Pivot #2 covers 98 acres and the handlines cover 10 acres for a total of 200 acres. I created a POU shape using 2008 and 2009 LandSat and NAIP imagery. The shape coincides with the acreage that the field examiner describes in the POU acreage table and amounts to 200 acres. In conclusion, the license will be issued with a POU of 200 acres as described by the field examiner and the POU shape will be based on my drawing which is very close to the field examiners drawing.

Since 680 acres out of the 980 PPU was never irrigated or developed, the license will be limited to 200 acres within the 200 acre POU-no PPU. An amendment is required as there are some acres that were not listed in the permit.

POD: There are two wells that serve this right.

Diversion Rate: The field examiner included pump curves that indicate that the PDs can provide above and beyond the permitted rate of 4.0 cfs. The licensed rate will be issued as permitted.

Volume: The volume is based on the standard irrigation requirement of 4 afa.

Overlapping Rights: There are no water rights, beside 63-12447, that cover the 200 acre POU. In addition, there are no other rights that are diverted from the two PDs. There is an application on file with the department that covers nearly 1300 acres. The application proposes the irrigation of 675 acres within the 1300 acre PPU. The application is being held due to protests and is no concern at this time.

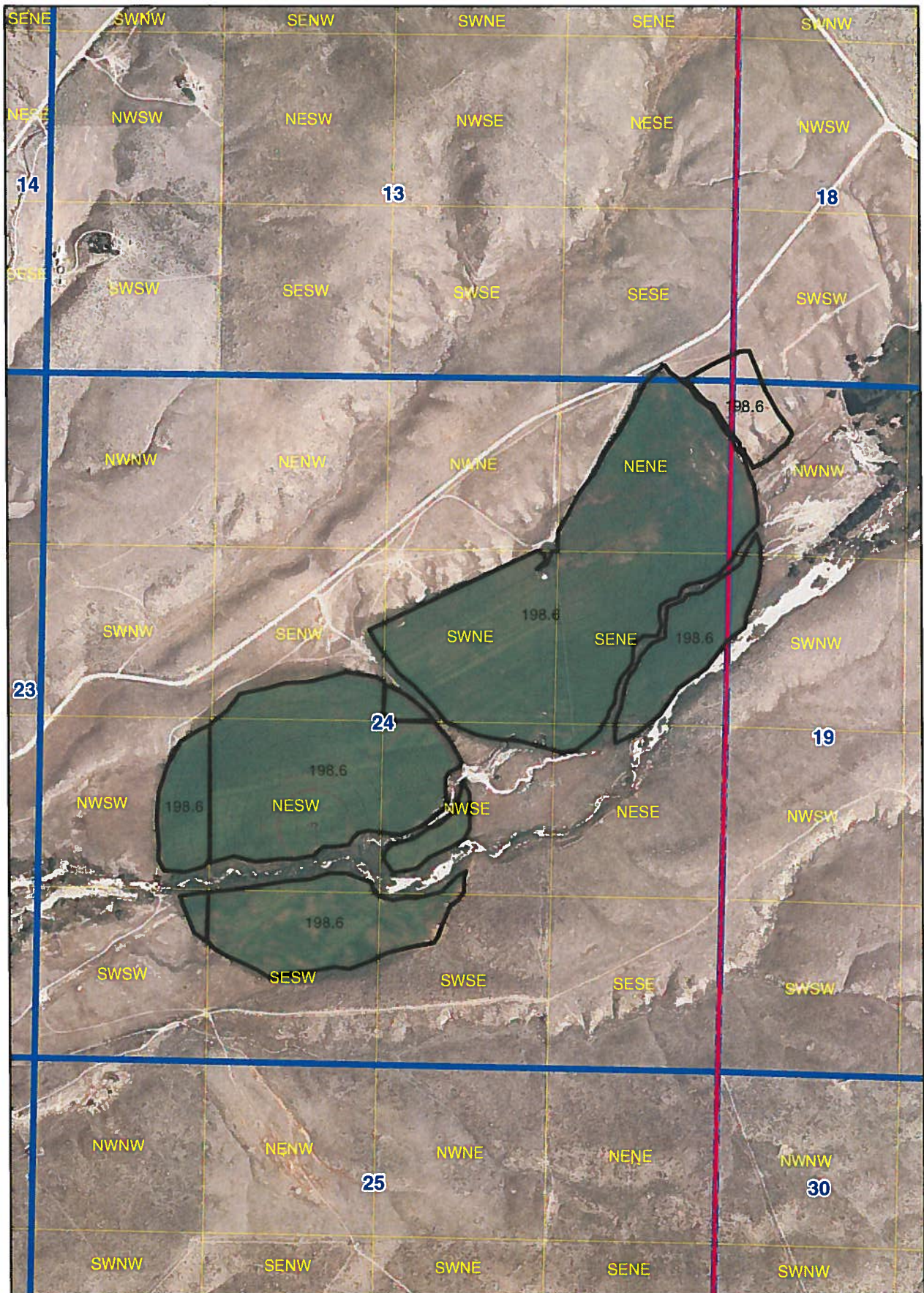
Lastly, the transfer that is mentioned in Shelley Keens 3/3/09 licensing review, transfer 74414 has been withdrawn and is no longer of concern for the review of this license. Note that the licensure of this right has been stalled because overlapping claim 63-2654 was objected to in the SRBA and only became decreed as disallowed this year.

WBZ Well 1 = ~ 432 - 690

Well 2 = ~ 602 - 809

[illegible]

2009 NAIP



2010 LandSat

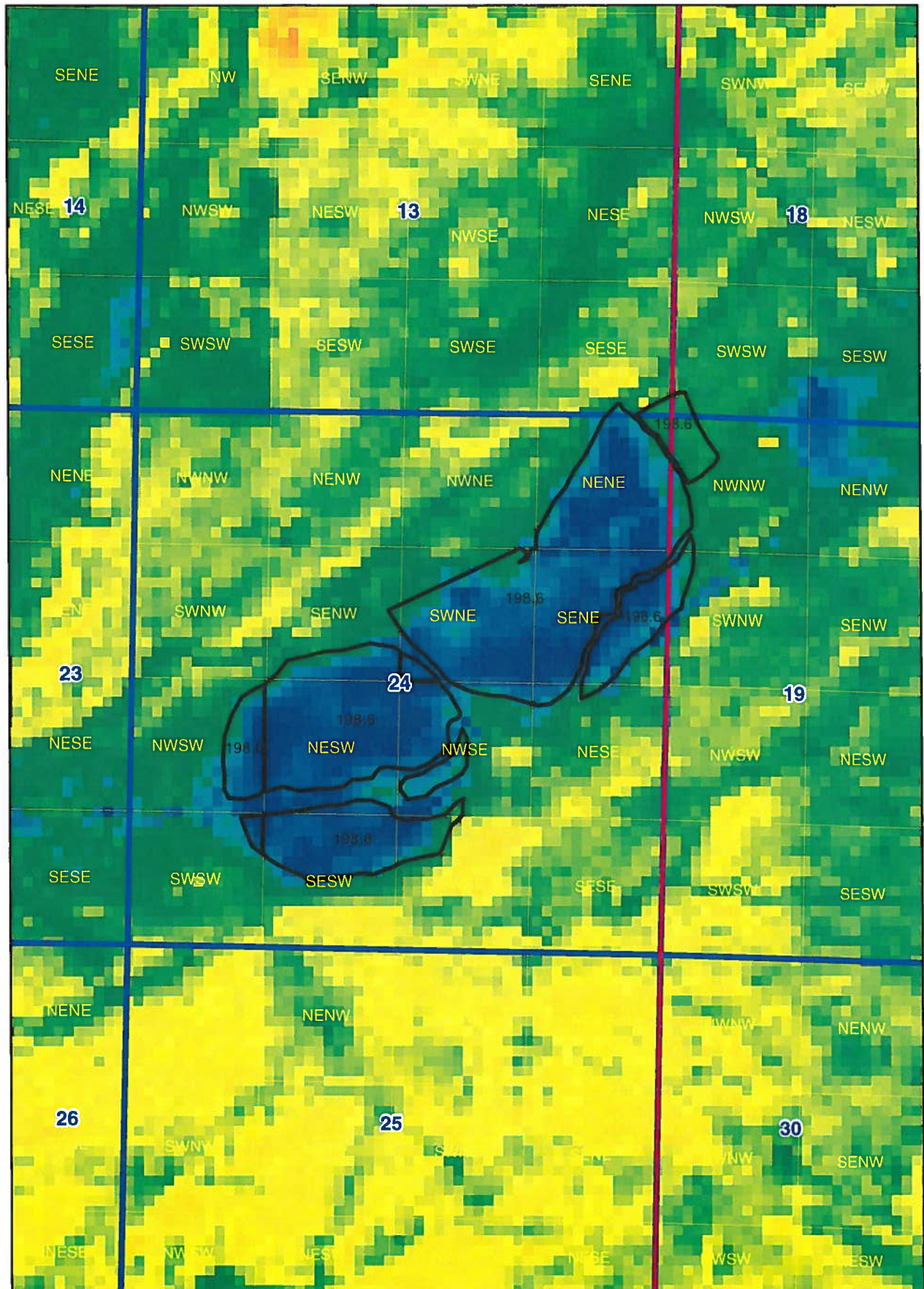
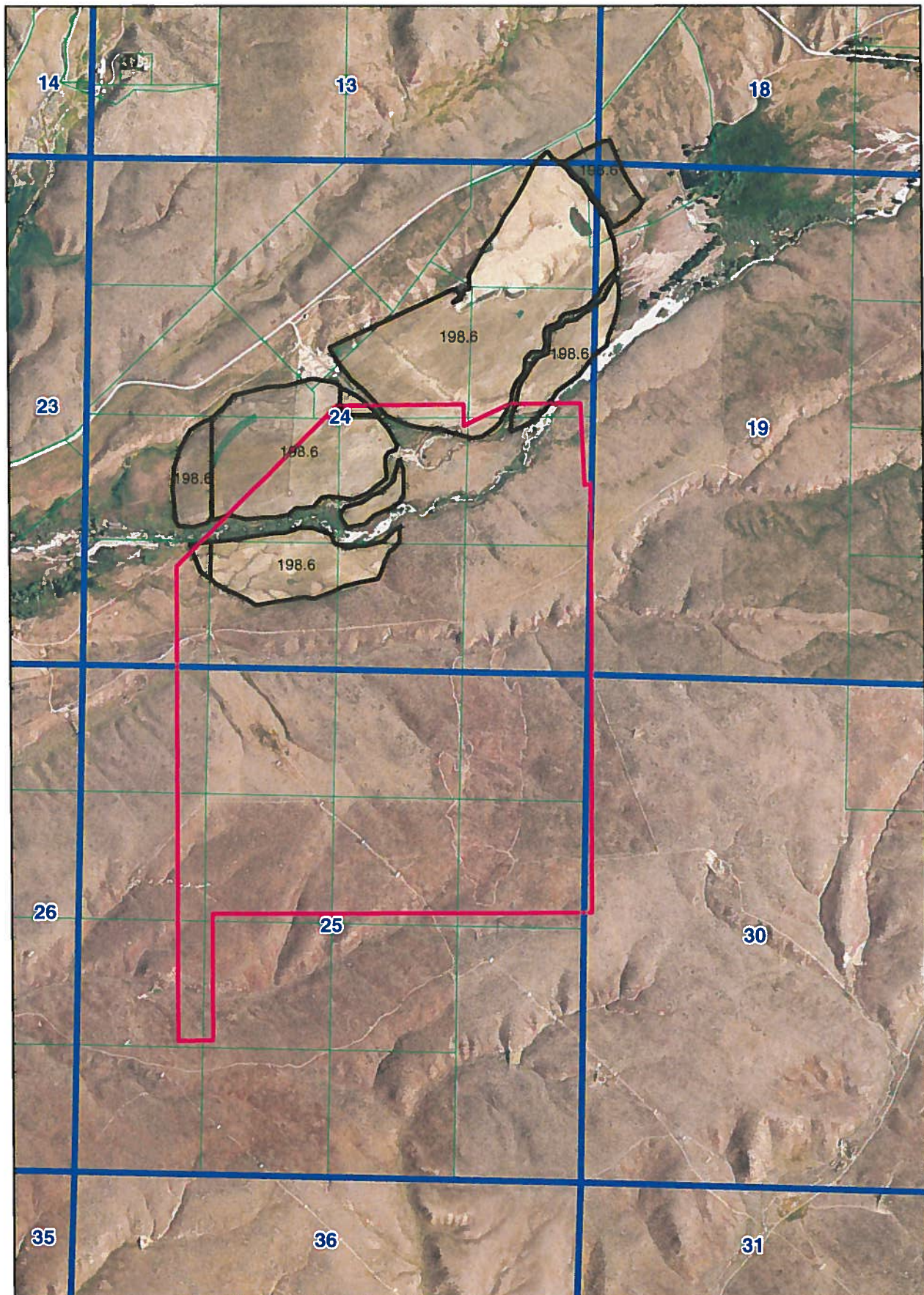


Exhibit A of Deed--Mayfield Assignment of Permit

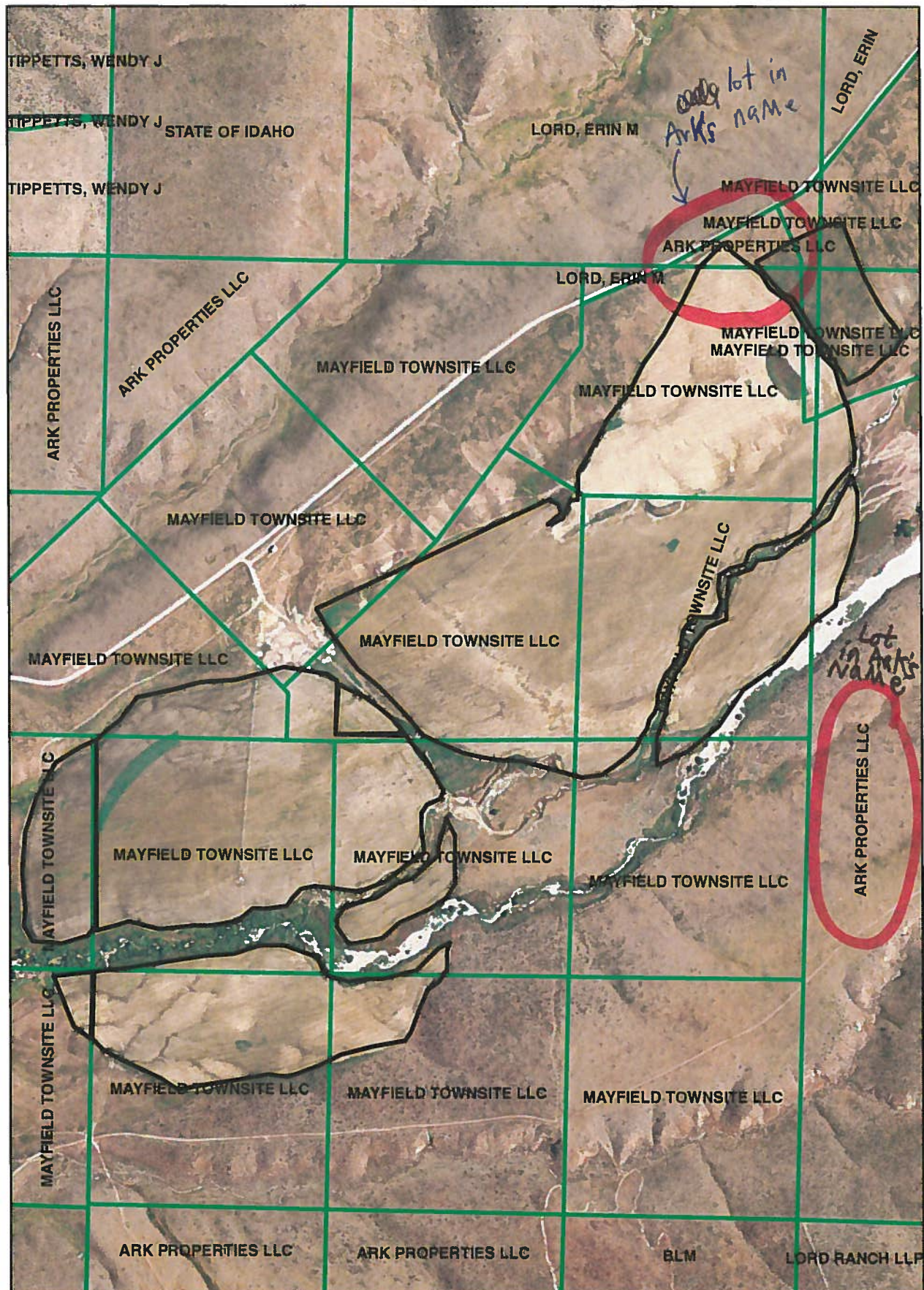


2011 imagery
NIP

Pink outline depicts the deed's description of
land that is conveyed from ARK to Mayfield

2010 Taxlot data

Exhibit A of Deed - Mayfield Assignment of Permit



2011 Naip Imagery