

Keen, Shelley

From: Scott King [SKing@spfwater.com]
Sent: Thursday, November 24, 2011 10:46 AM
To: Keen, Shelley
Subject: RE: Request for confirmation of GWMA boundaries in relation to application for permit

Shelley,
Thank you very much. This should address the question at hand.
Happy Thanksgiving,
Scott

From: Keen, Shelley [<mailto:Shelley.Keen@idwr.idaho.gov>]
Sent: Wednesday, November 23, 2011 6:00 PM
To: Scott King
Subject: RE: Request for confirmation of GWMA boundaries in relation to application for permit

Scott,

In the vicinity of the development proposed in Application 63-32499, the boundary of the Mountain Home Groundwater Management Area (MHGWMA) coincides with the boundary between Administrative Basin 61 and Administrative Basin 63, with the B61 side being within the MHGWMA and B63 side being outside the MHGWMA. All of the eight proposed points of diversion depicted in your file 'Application PODs with Basin Boundary.jpg', whether described as coordinates or as quarter-quarters of the PLS, are within Basin 63 and are, therefore, outside the Mountain Home Groundwater Management Area. The Cinder Cone Butte Critical Groundwater Area (CCBCGA) is completely within the MHGWMA, so the proposed points of diversion are also not within the CCBCGA.

Shelley Keen
Idaho Department of Water Resources
P.O. Box 83720
Boise, ID 83720-0098
(208) 287-4947
shelley.keen@idwr.idaho.gov

From: Scott King [<mailto:SKing@spfwater.com>]
Sent: Tuesday, November 22, 2011 4:33 PM
To: Keen, Shelley
Cc: Lester, Steve
Subject: RE: Request for confirmation of GWMA boundaries in relation to application for permit

Shelley,
Thank you very much for your research.
Attached is a map depicting the points of diversion for this application and the digital administrative boundary. Also attached are the files comprising the point of diversion shapefile.
Could you please confirm that the points of diversion are located OUTSIDE of the MHGWMA?
Thank you,
Scott

From: Keen, Shelley [<mailto:Shelley.Keen@idwr.idaho.gov>]
Sent: Tuesday, November 22, 2011 4:17 PM
To: Scott King

Cc: Lester, Steve

Subject: RE: Request for confirmation of GWMA boundaries in relation to application for permit

Scott,

I've conducted a little research in response to your question. The attached file called "MHGWMA boundary crossing I-84.pdf" compares the digitized MHGWMA boundary to the B61/B63 basin boundary at the key location. The other attached file is the order establishing the MHGWMA. The order has a sort of metes-and-bounds description of the MHGWMA boundary. As you read through the metes-and-bounds description, you'll see that much of it coincides with the administrative basin boundary. Looking at the top of page 2, you'll see that the MHGWMA boundary runs from "the SE¼SW¼ of Section 30, Twp. 1N, Rge. 4E; thence easterly **along the administrative boundary** approximately 14.4 miles . . ." [Emphasis added.] I checked with Michael Ciscell to be sure the basin boundary is accurate, which would mean the digitized GWMA boundary is a generalization made for use at a smaller scale. He confirmed my suspicion. I will see if we can get corrections done in the coming months. We might also consider a disclaimer on the website.

Meanwhile, I recommend plotting your proposed PODs alongside the digital basin boundary to determine whether they are in or out of the MHGWMA.

Call if you want to discuss it some more.

Shelley

Shelley Keen
Idaho Department of Water Resources
P.O. Box 83720
Boise, ID 83720-0098
(208) 287-4947
shelley.keen@idwr.idaho.gov

From: Scott King [<mailto:SKing@spfwater.com>]
Sent: Tuesday, November 22, 2011 1:36 PM
To: Keen, Shelley
Subject: FW: Request for confirmation of GWMA boundaries in relation to application for permit

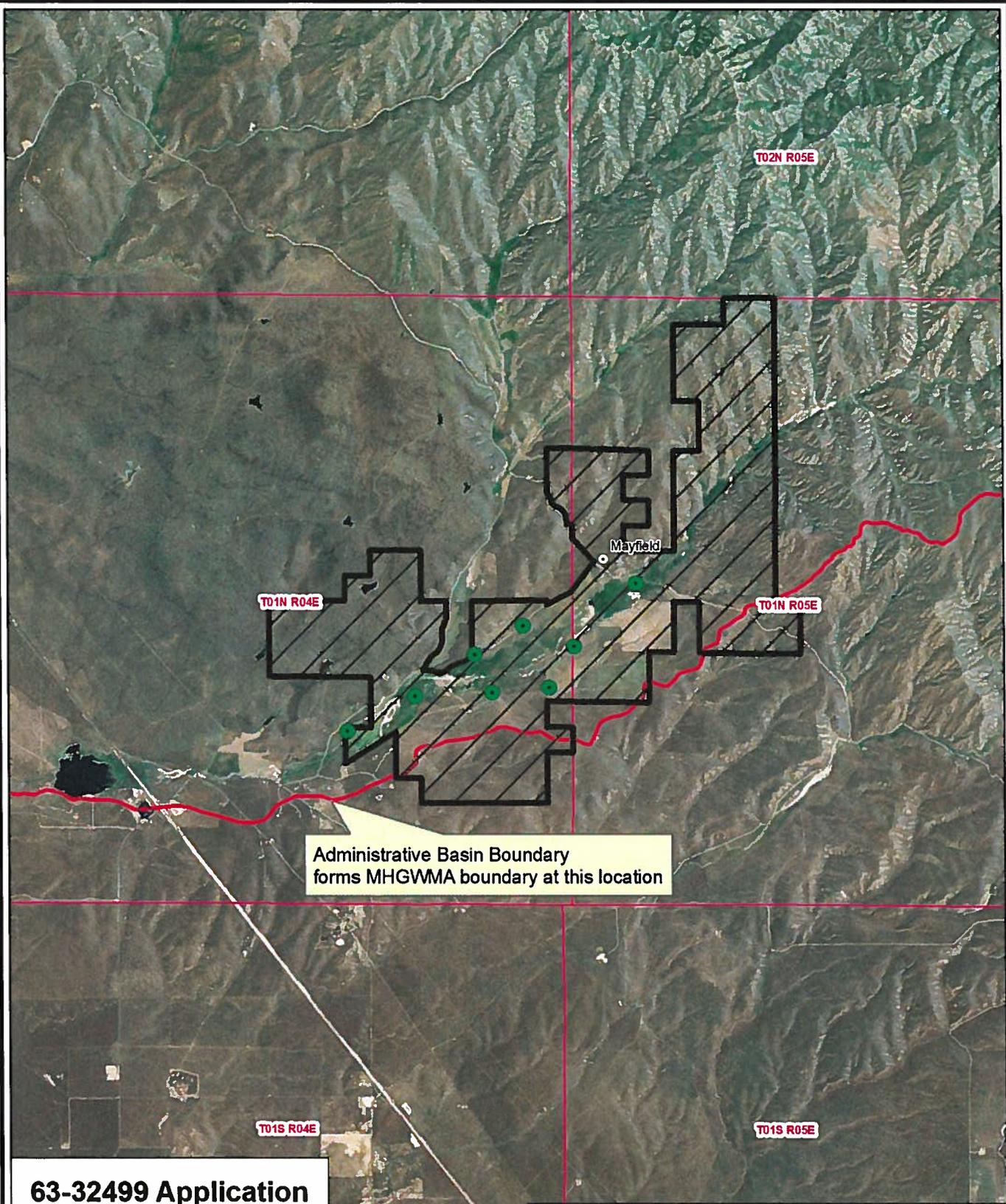
Shelley,
Same email with zipped shapefiles removed.
Scott

From: Scott King
Sent: Tuesday, November 22, 2011 1:24 PM
To: 'shelley.keen@idwr.idaho.gov'
Cc: Roxanne Brown
Subject: Request for confirmation of GWMA boundaries in relation to application for permit

Hello Shelley,
We are seeking confirmation from IDWR that the points of diversion proposed for application for permit 63-32499 are all located outside of the CGWMA and GWMA boundaries. Attached to this message is a map that I prepared and copies of the PODs, GWMA and CGWMA shapefiles that I used in preparing the attached map. Could you or someone else from IDWR confirm the accuracy of the GWMA boundary in relation to the location of the proposed points of diversion being located outside of the GWMA boundaries?

Thank you,
Scott

Scott N. King, P.E.
Supervising Engineer
SPF Water Engineering, LLC
300 E Mallard Drive, Suite 350
Boise, Idaho 83706
Phone: (208) 383-4140
Fax: (208) 383-4156
sking@spfwater.com
www.spfwater.com



63-32499 Application

- Points of Diversion
- Place of Use
- Basin Boundary

<p>Mayfield Townsite LLC Application for Permit 63-32499</p>	
<p>0 1 2 Miles</p>	
<p>snk 11/22/2011</p>	

BEFORE THE DIRECTOR OF THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF THE)
MOUNTAIN HOME GROUND)
WATER MANAGEMENT AREA)

ORDER ESTABLISHING
GROUND WATER
MANAGEMENT AREA

WHEREAS, THE Idaho Department of Water Resources has conducted a study to determine the use and recharge of ground water within an area surrounding Mountain Home that has been defined as the Mountain Home Study Area; and,

WHEREAS, the results of the study indicate that the anticipated recharge of ground water to the area is exceeded by anticipated ground water discharge; and,

WHEREAS, conditions of a Critical Ground Water Area are approached within the Mountain Home Study Area although there appear to be some sub-areas within the area where additional ground water could be appropriated without injuring existing water rights; and,

WHEREAS, Section 42-233b, Idaho Code, authorizes the director of the department to establish a Ground Water Management Area in any ground water basin or designated part thereof where a determination is made that conditions of a Critical Ground Water Area are approached:

NOW, THEREFORE, IT IS HEREBY ORDERED, that the following area be included within and designated as the Mountain Home Ground Water Management Area, pursuant to Section 42-233b, Idaho Code:

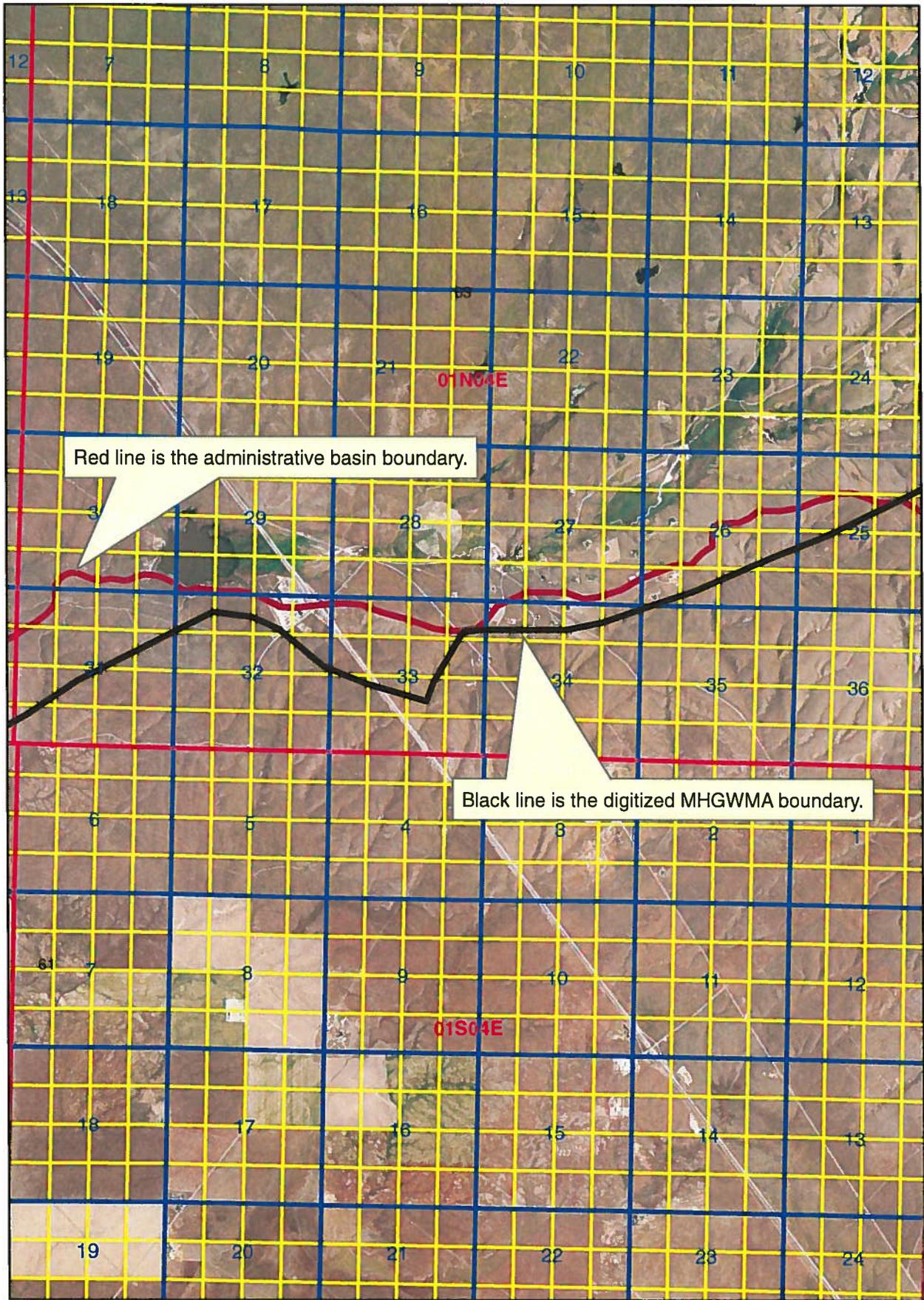
From the point of beginning at the intersection of the north rim of the Snake River canyon, and a line common to Sections 35 and 36, Twp. 5S, Rge. 7E; thence northwesterly along the north rim of the Snake River canyon, approximately 41.0 miles to the intersection of the canyon rim and the administrative boundary between Basin 61 and Basin 63 (administrative boundary), located directly south of the southwest corner of the NE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 25, Twp. 4S, Rge. 2E; thence northeasterly along the administrative boundary approximately 6.8 miles to a road junction within the SE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 32, Twp. 3S, Rge. 3E; thence northwesterly along the administrative boundary approximately 10.2 miles to the east quarter corner of Section 13, Twp. 2S, Rge. 2E; thence northeasterly along the administrative boundary approximately 6.0 miles to the center of the NE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 17, Twp. 1S, Rge. 3E; thence southeasterly along the administrative boundary approximately 1.5 miles to

the center of Section 21, Twp. 1S, Rge. 3E; thence northeasterly along the administrative boundary approximately 6.5 miles to the center of the SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 30, Twp. 1N, Rge. 4E; thence easterly along the administrative boundary approximately 14.4 miles to the high point in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 17, Twp. 1N, Rge. 6E; thence southeasterly along the topographical divide approximately 3.5 miles to Bench Mark 5086 in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 33, Twp. 1N, Rge. 6E; thence northeast along the topographical divide approximately 5.4 miles to Danskin Peak in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 19, Twp. 1N, Rge. 7E; thence southeasterly along the topographical divide approximately 13.9 miles to the intersection within the line common to Sections 26 and 27, Twp. 1S, Rge. 8E; thence south approximately 1.3 miles to the southeast corner of Section 34, Twp. 1S, Rge. 8E; thence west 3.0 miles to the southeast corner of Section 31, Twp. 1S, Rge. 8E; thence south 8.0 miles to the southwest corner of Section 8, Twp. 3S, Rge. 8E; thence west 2.0 miles to the northwest corner of Section 13, Twp. 3S, Rge. 7E; thence south approximately 15.7 miles to the point of beginning.

Dated this 9th day of November, 1982.


A. KENNETH DUNN
Director

Northwestern MHGWMA Boundary where it Crosses I-84



Red line is the administrative basin boundary.

Black line is the digitized MHGWMA boundary.



0 0.5 1 2 Miles