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MAY 03 2017

DEPARTMENT OF  
WATER RESOURCES

# PETITION TO INTERVENE

I, Melvin Marx Hintze, PETITION TO INTERVENE WITH  
IDWR DURING THE May 3, 2017 PREHEARING CONFERENCE ON THE  
MATTER OF DESIGNATING A CRITICAL GROUND WATER AREA IN THE BIG  
LOST RIVER BASIN

I have water rights both Ground  
and Surface and I am interested in  
this matter. MM Marx Hintze

Melvin Marx Hintze  
Position Statement

BASIN 34

VARIANCES

1 margin A  
A6

# BASIN 34 VARIANCES

- THREE DISTINCT AREAS
  - ABOVE THE MACKAY DAM
  - MACKAY DAM TO APPROXIMATELY DARLINGTON
  - BELOW DARLINGTON TO ESPA BOUNDARY

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Mackay

# UPSTREAM FROM MACKAY DAM

- ESSENTIALLY HYDROLOGICALLY ISOLATED FROM BASIN 34 DOWNSTREAM FROM THE MACKAY DAM
- GROUND WATER RESOURCE
  - PARTIALLY USED ABOVE THE MACKAY DAM
  - UNUSED GROUND WATER RESOURCE CONVERTED TO STORAGE AND DECREEDED WATER RIGHTS AT THE MACKAY DAM
  - CONSIDERABLE QUANTITY OF DECREEDED AND STORAGE WATER DISCHARGED FROM THE MACKAY DAM BECOMES LOWER BIG LOST RIVER VALLEY AQUIFER RECHARGE DUE TO THE RESPECTIVE DELIVERY SYSTEM'S SHRINKAGE (OR LOSSES), ESPECIALLY DOWNSTREAM FROM DARLINGTON

# DOWNSTREAM FROM THE MACKAY DAM TO APPROXIMATELY DARLINGTON

- MOST IRRIGATION SYSTEMS ARE SUPPLIED BY SURFACE WATER AND SUPPLEMENTAL SENIOR GROUND WATER RIGHTS
- WELL DEPTHS, BOTH DOMESTIC AND IRRIGATION, HAVE MINIMAL SEASONAL WATER PUMPING LEVEL VARIABILITY (COMPARED TO AREAS BELOW DARLINGTON)
- SEVERAL DOMESTIC WELLS WITH SHALLOW UNREASONABLE PUMPING DEPTH HAVE BEEN REDRILLED
- ADDITIONAL OVERSIGHT AND MANAGEMENT NOT REQUIRED

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# DOWNSTREAM FROM APPROXIMATELY DARLINGTON TO THE BOUNDARY OF ESPA

- SIGNIFICANTLY GREATER NUMBER OF GROUNDWATER ONLY IRRIGATION SYSTEMS THAN ABOVE DARLINGTON
- SIGNIFICANTLY LARGER HORSEPOWER AND GREATER DEPTH OF GROUNDWATER DIVERSION SYSTEMS THAN ABOVE DARLINGTON (AN INDICATION OF GROUNDWATER RESOURCE STRESS)
- EXPANSIVE USE OF THE GROUNDWATER RESOURCE
- ADEQUATE DOMESTIC GROUNDWATER AVAILABLE YEAR AROUND (CONSIDER RECONSTRUCTING A FEW SHALLOW DOMESTIC WELLS TO A “REASONABLE DEPTH”)

# CONCLUSION

- NO BASIS OR NEED FOR A “CRITICAL GROUNDWATER DISTRICT”
- NO BASIS OR NEED FOR A “GROUNDWATER MANAGEMENT” ENTITY
- BASIN 34 WATERMASTER EXISTING MANAGEMENT IS ADEQUATE
- CONTINUE AS-IS!!!!!!

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revised