

**Keen, Shelley**

---

**From:** Weaver, Mathew  
**Sent:** Thursday, November 18, 2010 4:23 PM  
**To:** Keen, Shelley  
**Cc:** Tesch, Craig; Lester, Steve; Westra, John  
**Subject:** Mayfield/Regina/Orchard Area Summary

Over the last two days due to my involvement with the Status Conference for the Hearing associated with WR permit application 61-12095, I have reviewed the status of current applications, permits and transfers in the Mayfield/Regina/Orchard area on the border of Basin 61 & 63. In addition, I have reviewed some of the written technical material available characterizing the hydrogeology and water supply of the area. As a result of my research I have compiled a list of current applications, permits, and transfers, prepared a map depicting the POU's to accompany the list, and a bibliography or written technical material. I have attached a copy of the material for your reference. If anyone identifies any mistakes or omissions please bring it to my attention.

Thanks,

**Mat Weaver, PE**  
**Staff Engineer**  
**Idaho Department of Water Resources**  
**(208) 287-4914**



Mayfield-Orchard  
Area Summary ...

Basin 61/63 (Mayfield, Regina, Orchard Area) - Water Right Activity Summary As of 10/18/10

Current Water Right Applications and Permits

Basin	Sequence	Status	Right ID	Priority Date	Rate(cfs)	Volume(aft)	Source	Water Use(s)	Owner(s)	Source Table	App.ID
61	12095	Active	P 611405	4/3/2007	5.00		GROUND WATER	MUNICIPAL	NEVID LLC (Current)	wrWaterApplication	73500
61	12096	Active	P 611406	4/3/2007	20.48		GROUND WATER	FIRE PROTECT. MUNICIPAL (RAFN)	NEVID LLC (Current)	wrWaterApplication	73501
61	12256	Active	P 631924	1/17/2008	13.76		GROUND WATER	MUNICIPAL	INTERMOUNTAIN SEWER & WATER CORP (Current)	wrWaterApplication	76381
63	32499	Active	P 605597	7/28/2006	10.00		GROUND WATER	MUNICIPAL	MAYFIELD TOWNSITE LLC (Current)	wrWaterApplication	73139
63	32703	Active	P 612561	6/21/2007	9.60		GROUND WATER	IRRIGATION (formerly Municipal)	ORCHARD RANCH LLC	wrWaterApplication	73699
61	7760	Active	P 549604	5/3/2000	0.62		GROUND WATER	DOMESTIC (67 homes)	BEACON HEIGHTS LLC (Current)	wrWaterPermit	
61	12090	Active	P 625942	9/28/2006	4.02	345	GROUND WATER	FIRE PROTECTION, MUNICIPAL	NEVID LLC (Current)	wrWaterPermit	
63	12494	Active	P 23998	7/8/2004	0.16		GROUND WATER	DOMESTIC (8 homes)	DANSKIN PROPERTIES LTD (Current)	wrWaterPermit	
63	31225	Active	P 610020	9/16/2005	10.00	1815	GROUND WATER	MUNICIPAL	INTERMOUNTAIN SEWER & WATER CORP (Current)	wrWaterPermit	

Applications: 58.84 cfs  
Permits: 14.8 cfs

Current Transfers

Transfer	Status	Rate (cfs)	Volume (aft)	Source	Water Use(s)	Owner(s)
73811	Active	5.56		Ground Water	Municipal	ID Water Company
	No Data					
73834	Entry	11.36		Ground Water	Municipal	Orchard Ranch

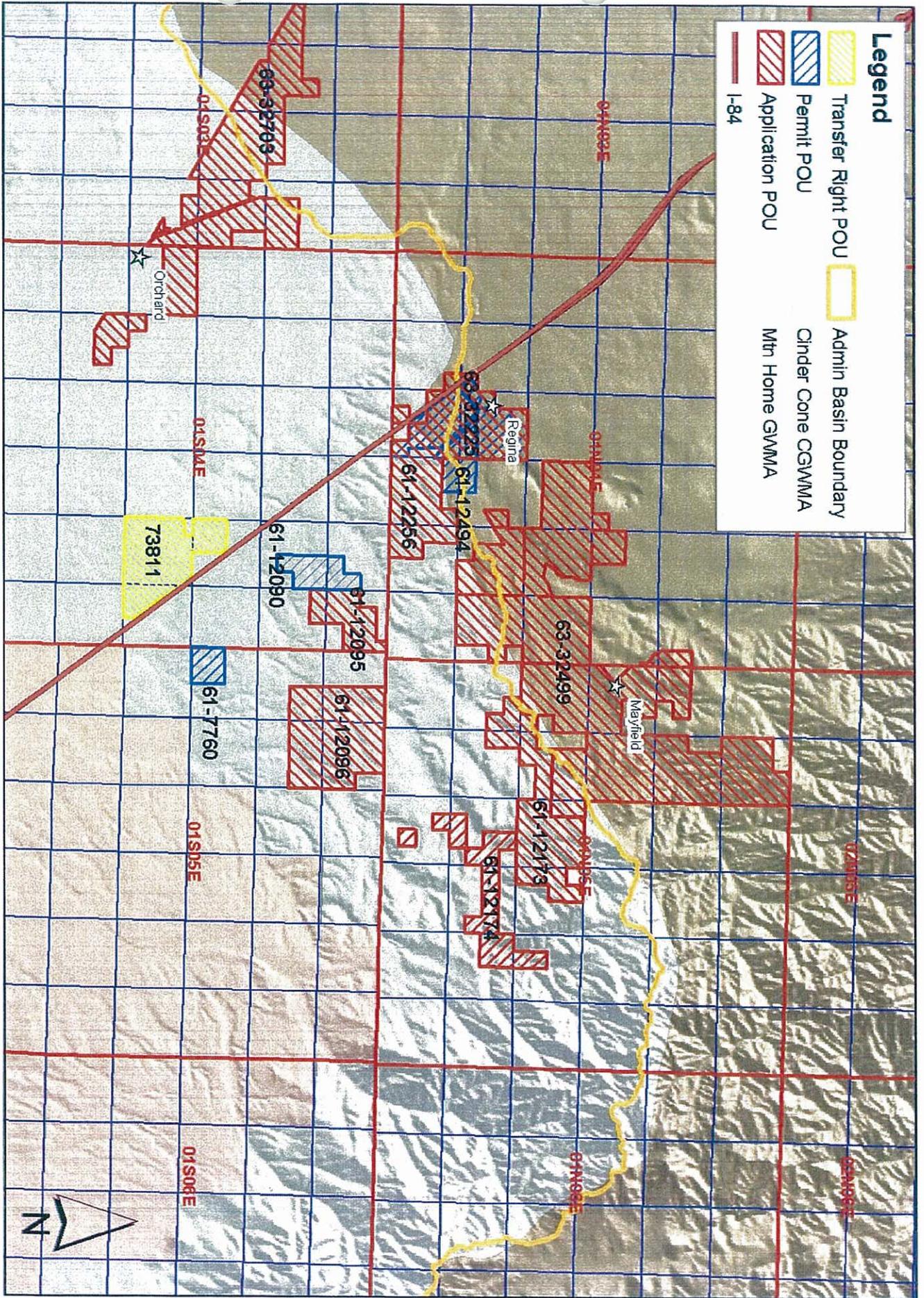
Transfers: 16.92 cfs

Applications Received but not Published

Basin	Sequence	Status	Right ID	Priority Date	Rate(cfs)	Volume(aft)	Source	Water Use(s)	Owner(s)	Source Table	App.ID
61	12173	Active	P 617555	3/21/2008	4.50		GROUND WATER	DOMESTIC (1200 acres)	RIDER, DENNIS C (Current)	wrWaterApplication	74699
61	12174	Active	P 617556	3/21/2008	4.50		GROUND WATER	DOMESTIC (720 acres)	RIDER, DENNIS C (Current)	wrWaterApplication	74700
61	12257	Active	P 632003	4/15/2008	18.20		GROUND WATER	MUNICIPAL (land storage)	PACIFIC WEST LAND LLC	wrWaterApplication	76389
		No Data									
63	33344	Entry			9.00		GROUND WATER	IRRIGATION	ARK PROPERTIES & MAYFIELD TOWNSITE		

Unpublished App's: 36.2 cfs

Total: 126.76 cfs



Municipal WR Summary - Mayfield/Orchard Area  
 November 2010



Trmf 73834, WR App. 61-12257, & WR App. 61-33344  
 not depicted due to unscanned documentation.

## List of References

- Bendixen, S. 1994. Summary of Hydrologic Conditions in the Mountain Home and Cinder Cone Butte Areas. Idaho Department of Water Resources Internal Study.
- Bendixen, S. 2006. Application for Permit 63-32225, Mayfield Planned Community and Report by SPF Water Engineering LLC. Idaho Department of Water Resources Internal Memo dated September 16, 2006.
- Castelin, P. 1988. Review of Mountain Home Ground-Water Management Area/Cinder Cone Butte Critical Area. Idaho Department of Water Resources Internal Memo.
- IDWR 1981a. Order Establishing Critical Groundwater Area in the Matter of the Cinder Cone Butte Critical Groundwater Area. Dated May 7, 1981.
- IDWR 1981b. Ground Water Resources of the Cinder Cone Butte Area Western Elmore County, Idaho. Dated May 1981.
- IDWR 1982. Order Establishing Ground Water Management Area in the matter of the Mountain Home Ground Water Management Area. Dated November 9, 1982.
- IDWR 2009. Final Order in the Matter of Application to Appropriate Water Right No. 61-12090 in the Name of Nevid LLC. Dated September 30, 2009.
- Lindholm, G.F. 1993. Summary of the Snake River Plain Regional Aquifer-System Analysis in Idaho and Eastern Oregon. U.S. Geological Survey Open File Report 91-98.
- Newton, G.D. 1991. Geohydrology of the Regional Aquifer System, Western Snake River Plain, Southwestern Idaho. U.S. Geological Survey Professional Paper 1408-G.
- Norton, Ondrechen, Baggs. 1982. Ground Water Investigation of the Mountain Home Plateau Idaho. Idaho Department of Water Resources Internal Study.
- Othberg, Kurt L. 1994. Geology and Geomorphology of the Boise Valley and Adjoining Areas, Western Snake River Plain, Idaho. Idaho Geologic Survey.
- Owsley, D. and Vincent, S. 2008. Evaluation of the SPF Report entitled Ground-Water Supply Evaluation for the Mayfield Townsite Property. Idaho Department of Water Resources Internal Memo dated August 8, 2008. (WR Application 63-32499)
- Parlman, D.J. 1983. Ground-Water Quality in the Western Snake River Basin, Swan Falls to Glens Ferry, Idaho. U.S. Geological Survey Water-Resources Investigations Report 83-4062.
- Petrich, P.R. 2009. Response to IDWR memos regarding aquifer recharge along I-84 corridor from Boise to Mountain Home. SPF Water Engineering memorandum dated March 30, 2009. (WR Permit 61-12090)
- Powell, G.E. 2009. Shekinah Industries Groundwater Model Development and Transfer Scenario Runs. Brockway Engineering report dated December 28, 2009 analyzing potential impacts of Transfer 73811 in the Mountain Home area.
- SPF Water Engineering, 2007a. Ground-Water Resource Evaluation for the Orchard Ranch Property dated May 30, 2007. (WR Application 63-32703)
- SPF Water Engineering, 2007b. Ground-Water Supply Evaluation for the Mayfield Townsite Property dated November 1, 2007. (WR Application 63-32499)
- Tesch, C. and Vincent, S. 2008. Evaluation of aquifer recharge in areas of planned community applications along the I-84 corridor from Boise to Mountain Home. Idaho Department of Water Resources Internal Memo dated December 23, 2008. (WR Permit 61-12090)
- Tesch, C. and Vincent, S. 2009. Evaluation of aquifer recharge in areas of planned community applications along the I-84 corridor from Boise to Mountain Home. Idaho Department of Water Resources Internal Memo dated February 24, 2009. (WR Permit 61-12090)
- Tesch, C. and Vincent, S. 2010. Technical Review of Groundwater Modeling in Support of Idaho Water Company Water Right Transfer 73811. Idaho Department of Water Resources Internal Memo dated April 14, 2010.
- Young, H.W., 1977. Reconnaissance of Ground Water resources in the mountain Home Plateau Area, Southwest Idaho. USGS Water Resources Investigations 77-108. Open-File Report.