

## Harney Basin Groundwater Right List

(Exported from OWRD WRIS on 28 September 2023)

Attached is a list of 657 groundwater related water rights within the portion of the Harney Basin groundwater study area (HBGWSA) that is within the Malheur Lake Administrative Basin (MLAB). The list is an OWRD water rights database query export that includes duplicates. The primary portion of the HBGWSA outside the MLAB is the adjoining Virginia Valley and Anderson Valley area southeast of Malheur Lake. Of the 657 groundwater related water rights listed, the attached table 1 and table 2 show 649 are within the OAR 690-512 defined Greater Harney Valley Groundwater Area of Concern (GHVGAC), and the attached table 1 and table 3 show 8 are outside the GHVGAC. Seven of the eight rights outside of the GHVGAC are within the Hwy 395 corridor from Burns to Seneca, and one is at the USDA Northern Great Basin Experiment Range west of Riley.

Nine of the 657 groundwater related water rights listed are either surface water rights or surface storage for livestock and/or wildlife. Those particular rights are listed because their water source includes one or more wells. Eight of the nine are within the GHVGAC.

**Table 1.** Summary of the Water Rights Listed in Attachments Table 2 and Table 3

<b>Water Rights Listed within the GHVGAC (Table 2)</b>				
Water Use <sup>1</sup>	Water Rights List Total <sup>2</sup>	POU Acres Total <sup>3</sup>	POD Total <sup>4</sup>	Max Rate Total (cfs) <sup>5</sup>
Irrigation (IR)	474	70,237	1,117	853.69
Irrigation (IS)	101	10,953	169	119.12
Irrigation (IR & IS)	55	18,033	174	178.17
Municipal (MU & QM)	9	N.A.	14	20.42
Livestock (LV & WI)	8	N.A.	38	0.07
Industrial (IM, DO, DS)	2	N.A.	2	6.60
<b>Totals</b>	<b>649</b>	<b>99,223</b>	<b>1,514</b>	<b>1,178.07</b>
<b>Water Rights Listed outside the GHVGAC (Table 3)</b>				
Water Use <sup>1</sup>	Water Rights List Total <sup>2</sup>	POU Acres Total <sup>3</sup>	POD Total <sup>4</sup>	Max Rate Total (cfs) <sup>5</sup>
Irrigation (IR)	2	140	2	1.81
Irrigation (IS)	0	0	0	0.00
Irrigation (IR & IS)	0	0	0	0.00
Municipal (MU & QM)	2	N.A.	6	4.75
Livestock (LV & WI)	1	N.A.	10	0.00
Industrial (IM, DO, DS)	3	N.A.	4	2.37
<b>Totals</b>	<b>8</b>	<b>140</b>	<b>22</b>	<b>8.93</b>
<b>Table 1 Notes</b>				
<ol style="list-style-type: none"> <li>1. Water use abbreviations are defined in the glossary on next page</li> <li>2. The water rights list includes duplicates</li> <li>3. The POU acres total include some duplicates (the same acres included in two or more water rights)</li> <li>4. The POD total includes some duplicates (the same POD included in two or more water rights)</li> <li>5. The max rate total includes some duplicates (the same rate included in two or more water rights)</li> </ol>				

Of the 657 groundwater related water rights listed, 158 (24 percent) do not show a certificate was issued. There are multiple reasons that include:

- A claim of beneficial use (CBU) has been received by OWRD but the certificate review and determination at OWRD is not yet completed;
- Some older rights await a final proof survey by OWRD staff; these rights pre-date certified water right examiners (CWRE);
  - **ORS 537.799 Survey for issuance of water right certificate.** Any person who has applied for or received a permit or a transfer to appropriate water under ORS 537.211, 537.625 or 540.530 on or before July 9, 1987, shall notify the Water Resources Department that the work has been completed and either:
    - (1) Hire a water right examiner certified under ORS 537.798 to conduct a survey, the original to be submitted as required by the Water Resources Department, for issuance of a water right certificate; or
    - (2) Continue to appropriate water under the water right permit or transfer issued under ORS 537.211, 537.625 or 540.530 until the Water Resources Department conducts a survey and the commission issues a water right certificate under ORS 537.250 or 537.625. [1987 c.542 §3]
- Some rights await an OWRD extension review and determination;
- Some rights are still within their completion date deadline;
- Some rights were issued certificates after the OWRD WRIS query on 28 September 2023;
- Some rights are inchoate transfers for which a superseding certificate has not been issued.

## Glossary

AG	Authorized water use is agriculture
CFS	Cubic feet per second (water flow or pumping rate)
DO	Authorized water use is domestic
DS	Authorized water use is domestic and livestock
Duty	Maximum annual amount (depth) of irrigation water authorized per acre (often 3 feet per acre, 5 rights authorize 2.5 feet and 2 rights authorize 2.0 feet)
G	Water right application and/or permit is for groundwater (replaced U in 1955)
GW	Water right type is groundwater
IM	Authorized water use is manufacturing
IR	Authorized water use is primary irrigation
IS	Authorized water use is supplemental irrigation
LV	Authorized water use is livestock
Max Rate	Maximum pumping rate per well or per water right
MU	Authorized use is municipal
POD	Point of diversion(s) (locations where water right is authorized to pump or divert water such as a well)
POU	Place of use (acreages where water right water is authorized to be used or applied to land surface)
QM	Authorized use is quasi-municipal
R	Water right application and/or permit is for a reservoir
S	Water right application and/or permit is for surface water
ST	Water right type is storage
U	Water right application and/or permit is for underground water (replaced by G in 1955)
WI	Authorized water use is wildlife
WR	Water right type is winter runoff
WRIS	Water rights information system

**Table 2: List of Harney Basin Groundwater Rights inside the OAR 690-512 GHVGAC**  
(the rights are listed by priority date, oldest to youngest)

WR_Type	Application	Permit	Certificate	County	Priority_Date	WR_Uses	POU_Acres_Total	Max_Duty	POD_Total	Max_Rate_Total_(cfs)
GW	U 22	U 22	11348	Harney	12/21/1929	IR	40		1	0.5
SW	S 13883	S 10034	10182	Harney	07/18/1930	DO , IR , LV , ST	160		5	2
GW	U 62	U 58		Harney	07/27/1931	IR	174.7		3	2.1799
GW	U 29	U 49	10145	Harney	06/09/1933	FP , IM , IR	132.5		1	5.5
GW	U 105	U 99	12068	Harney	06/26/1936	IR , LV	40	2	1	0.55
GW	U 132	U 124	14088	Harney	08/08/1940	IR	82.9	2	1	0.18
GW	U 134	U 126		Harney	09/23/1940	QM			1	0.71
GW	U 251	U 223		Harney	10/20/1947	IR	21.2	3	1	0.26
GW	U 285	U 259	91033	Harney	08/26/1948	IR , IS	130.2	3	1	1.54
GW	U 285	U 259	94330	Harney	08/26/1948	IS	63.6	3	1	0.75
GW	U 285	U 259	97157	Harney	08/26/1948	IS	260.6	3	5	3.09
GW	U 331	U 305	26368	Harney	10/03/1949	IR	73.5	3	1	0.92
GW	U 412	U 380		Harney	03/02/1951	IS	83.6	3	4	1.034
GW	U 412	U 380	96081	Harney	03/02/1951	IS	6.4	3	1	0.079
GW	U 436	U 407	65751	Harney	09/10/1951	IR	88.7	3	1	1.11
GW	U 506	U 470	95811	Harney	06/13/1952	IR	30	3	1	0.38
GW	U 611	U 559	26267	Harney	06/08/1953	IR	303.2	3	1	1.34
GW	U 721	U 642	26268	Harney	06/11/1954	IR	296.5	3	1	3.7
GW	U 747	U 667	31699	Harney	09/21/1954	IR , IS	412.6	3	7	5.1597
GW	U 814	U 722	26270	Harney	04/08/1955	IS	247.9	3	1	0.67
GW	U 818	U 724	95890	Harney	04/29/1955	IR	22.6	3	1	0.28
GW	U 818	U 724	96702	Harney	04/29/1955	IR	106.4	3	4	1.33
GW	U 822	U 727	96699	Harney	05/05/1955	IR	158.6	3	3	1.98
GW	U 836	U 731	96105	Harney	05/25/1955	IR , IS	320	3	3	2.3396
GW	U 873	U 757	28840	Harney	07/28/1955	IR	83.6	3	1	1.05
GW	G 93	G 16	92941	Harney	08/02/1955	IS	43.5	3	1	0.54
GW	G 92	G 47		Harney	08/02/1955	IR	150.1	3	3	0.5598
GW	G 92	G 47	95999	Harney	08/02/1955	IR	3.9	3	1	0.01
GW	G 93	G 16	96106	Harney	08/02/1955	IS	145.5	3	3	1.8186
GW	G 117	G 51	44073	Harney	09/02/1955	IR	202.2	3	1	2.53
GW	G 118	G 29		Harney	09/06/1955	IR	3.6	3	2	0.05
GW	G 118	G 29	95981	Harney	09/06/1955	IR	106.7	3	1	1.33
GW	G 189	G 105	31756	Harney	12/06/1955	IS	147.3	3	1	1.84
GW	G 197	G 109	29123	Harney	12/28/1955	IR	58	3	1	0.73
GW	G 234	G 144		Harney	02/14/1956	IR	300.8	3	2	3.76
GW	G 309	G 325	28561	Harney	04/20/1956	IR	207.2	3	1	0.5
GW	G 317	G 272	31700	Harney	04/20/1956	IR	90.7	3	1	1.13
GW	G 299	G 297		Harney	04/20/1956	IR , IS	15.7	3	1	0.11
GW	G 299	G 297	96151	Harney	04/20/1956	IR , IS	84.56	3	1	0.802
GW	G 299	G 297	97125	Harney	04/20/1956	IR , IS	19.04	3	2	0.181
GW	G 332	G 299	26195	Harney	04/30/1956	IS	77.7	3	1	0.97
GW	G 313	G 408	41921	Harney	09/17/1956	IS	75.3	3	1	0.94
GW	G 305	G 362	76794	Harney	10/09/1956	IR	22	2.5	1	0.28
GW	G 305	G 362	91974	Harney	10/09/1956	IR	39.5	3	1	0.37
GW	G 364	G 388		Harney	11/08/1956	IR	26.1	3	6	0.33
GW	G 511	G 548	95812	Harney	11/13/1956	IR	30	3	1	0.38

**Table 2: List of Harney Basin Groundwater Rights inside the OAR 690-512 GHVGAC**  
(the rights are listed by priority date, oldest to youngest)

WR_Type	Application	Permit	Certificate	County	Priority_Date	WR_Uses	POU_Acres_Total	Max_Duty	POD_Total	Max_Rate_Total (cfs)
GW	G 695	G 643	29006	Harney	06/28/1957	IR	28.6	3	1	0.46
GW	G 759	G 699	28657	Harney	12/11/1957	IS	122.5	3	1	1.53
GW	G 937	G 888	31860	Harney	04/17/1958	IR	11.8	3	1	0.15
GW	G 1061	G 977	31568	Harney	07/17/1958	IR	7.8	3	2	0.1
GW	G 1345	G 1213	28845	Harney	01/13/1959	IS	159.3	3	1	1.67
GW	G 1357	G 1236	31569	Harney	02/02/1959	IR	100	3	1	1.25
GW	G 1385	G 1273	28846	Harney	02/16/1959	IR	147.9	3	1	0.5
GW	G 1490	G 1417	32175	Harney	06/01/1959	MU			3	3.5
GW	G 1536	G 1422	31861	Harney	07/27/1959	IS	312.3	3	1	2.01
GW	G 1593	G 1463	32394	Harney	10/02/1959	IR	75.53	3	1	0.94
GW	G 1614	G 1484		Harney	11/04/1959	IS	154	3	3	1.9299
GW	G 1627	G 1530	95514	Harney	11/27/1959	IR	55.2	3	2	0.69
GW	G 1755	G 1604	94207	Harney	06/01/1960	IR	97.9	3	1	1.22
GW	G 1774	G 1623	95077	Harney	06/27/1960	IR	4.7	3	3	0.06
GW	G 1797	G 1643		Harney	07/15/1960	IR , IS	1400	3	7	7.7999
GW	G 1849	G 1692	31570	Harney	09/27/1960	IR	4	3	1	0.05
GW	G 1954	G 1798	35219	Harney	03/14/1961	IR	182.4	3	1	1.2
GW	G 1973	G 1809	34814	Harney	04/03/1961	IR	359.3	3	2	2.59
GW	G 1970	G 1806	35220	Harney	04/03/1961	IS	104.4	3	2	1.31
GW	G 1971	G 1807	35221	Harney	04/03/1961	IS	160	3	2	2
GW	G 1972	G 1808		Harney	04/03/1961	IR , IS	34.2	3	4	0.43
GW	G 1972	G 1808		Harney	04/03/1961	IS	167.3	3	4	2.0899
GW	G 1972	G 1808	91370	Harney	04/03/1961	IS	166	3	1	2.07
GW	G 1977	G 1813	32084	Harney	04/06/1961	IS	44.6	3	1	0.56
GW	G 2046	G 1895	31862	Harney	06/15/1961	IR	40	3	1	0.5
GW	G 2088	G 1917	35132	Harney	08/08/1961	IR , IS	106	3	1	1.33
GW	G 2109	G 2089		Harney	08/29/1961	IS	148.8	3	4	1.86
GW	G 2296	G 2117		Harney	04/18/1962	IR	157	3	4	1.04
GW	G 2297	G 2118	36511	Harney	04/19/1962	IR	334.3	3	2	4.18
GW	G 2418	G 2234	84121	Harney	08/14/1962	IS	61.8	3	2	0.77
GW	G 2418	G 2234		Harney	08/14/1962	IS	19.8	3	4	0.25
GW	G 2459	G 2274	33823	Harney	10/01/1962	IS	140.7	3	1	1.76
GW	G 2507	G 2316		Harney	12/19/1962	IS	108.5	3	4	1.3
GW	G 2507	G 2316	91371	Harney	12/19/1962	IS	75.8	3	1	0.92
GW	G 2522	G 2337	34028	Harney	01/11/1963	IS	52	3	1	0.65
GW	G 2523	G 2338	83601	Harney	01/11/1963	IR , IS	56	3	1	0.7
GW	G 2526	G 2341	35136	Harney	01/14/1963	IS	84.9	3	1	0.74
GW	G 2528	G 2343		Harney	01/14/1963	IS	34.4	3	1	0.43
GW	G 2528	G 2343	95499	Harney	01/14/1963	IR	125.6	3	3	0.9999
GW	G 2546	G 2363	39760	Harney	02/08/1963	IR	114.9	3	1	1.44
GW	G 2587	G 2398	35537	Harney	04/08/1963	IR	0.9	3	1	0.01
GW	G 2595	G 2402	35137	Harney	04/10/1963	IR	35.9	3	1	0.23
GW	G 2611	G 2451	35459	Harney	08/06/1963	IS	152.1	3	1	0.78
GW	G 2697	G 2502	35253	Harney	09/03/1963	IR	3.25	3	1	0.04
GW	G 2926	G 2716	36879	Harney	07/23/1964	IS	218.4	3	3	2.73
GW	G 2950	G 2745	36756	Harney	08/17/1964	IR	34.5	3	1	0.43

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WR_Type	Application	Permit	Certificate	County	Priority_Date	WR_Uses	POU_Acres_Total	Max_Duty	POD_Total	Max_Rate_Total (cfs)
GW	G 3021	G 2810	35138	Harney	01/28/1965	IR	137.5	3	1	1.17
GW	G 3034	G 2833	35218	Harney	02/18/1965	IS	37.2	3	1	0.25
GW	G 3050	G 2846	35139	Harney	03/22/1965	IR	7.8	3	1	0.1
GW	G 3084	G 2881	36881	Harney	04/21/1965	IR , IS	59.3	3	2	0.74
GW	G 3083	G 2880		Harney	04/21/1965	IS	86.3	3	4	1.08
GW	G 3083	G 2880	91369	Harney	04/21/1965	IS	30.2	3	1	0.38
GW	G 3122	G 2914	39660	Harney	05/25/1965	IM			1	3.3
GW	G 3121	G 2913	39674	Harney	05/25/1965	IM			1	3.3
GW	G 3414	G 3202	46176	Harney	03/10/1966	IR	40.4	3	1	0.51
GW	G 3474	G 3053	81560	Harney	05/02/1966	IR , IS	185	3	2	2.31
GW	G 3502	G 3091	36884	Harney	05/23/1966	IR	130	3	1	1.11
GW	G 3509	G 3303	39047	Harney	05/26/1966	IR	33.8	3	2	0.42
GW	G 3551	G 3340	39661	Harney	06/27/1966	IS	108.2	3	1	1.35
GW	G 3560	G 3358	49448	Harney	07/01/1966	IR	141	3	1	1.54
GW	G 3560	G 3358	82373	Harney	07/01/1966	IR	43.4	3	1	0.47
GW	G 3582	G 3372	39662	Harney	07/20/1966	IS	15.1	3	1	0.19
GW	G 3584	G 3374	39765	Harney	07/21/1966	IR , IS	22	3	1	0.28
GW	G 3639	G 3419	39762	Harney	08/25/1966	IR	100.1	3	1	1.25
GW	G 3640	G 3420	39763	Harney	08/25/1966	IR , IS	162.1	3	1	2.03
GW	G 3893	G 3659	39663	Harney	04/18/1967	IR	1.7	3	1	0.013
GW	G 3896	G 3661	44692	Harney	04/20/1967	IR	79.4	3	2	0.99
GW	G 4152	G 3904	36882	Harney	02/13/1968	IS	57	3	1	0.62
GW	G 4125	G 3948	47895	Harney	03/01/1968	IR	154.8	3	1	1.94
GW	G 3872	G 3827	39664	Harney	03/12/1968	MU			3	5.12
GW	G 4279	G 4028	65753	Harney	03/15/1968	IR	69.3	3	1	0.87
GW	G 4281	G 4030	93640	Harney	03/18/1968	IR	22.9	3	1	0.29
GW	G 4281	G 4030	97383	Harney	03/18/1968	IR	17.9	3	1	0.22
GW	G 4396	G 4144	39666	Harney	05/20/1968	IS	10.9	3	1	0.14
GW	G 4420	G 4165	39766	Harney	05/29/1968	IS	72.2	3	1	0.71
GW	G 4430	G 4174	39667	Harney	06/05/1968	IR	16.4	3	1	0.21
GW	G 4542	G 4273	44592	Harney	08/07/1968	IS	55.2	3	1	0.69
GW	G 4569	G 4293	39865	Harney	08/23/1968	IS	8.7	3	1	0.11
GW	G 4597	G 4322	39767	Harney	09/17/1968	DI			1	0.07
GW	G 4606	G 4330		Harney	09/23/1968	IS	34.4	3	1	0.215
GW	G 4606	G 4330	95500	Harney	09/23/1968	IS	125.6	3	3	0.7848
GW	G 4491	G 4233	49449	Harney	09/27/1968	IR	59.8	3	1	0.75
GW	G 4491	G 4233	82374	Harney	09/27/1968	IR	44	3	1	0.55
GW	G 4650	G 4374		Harney	10/16/1968	IR	60.7	3	2	0.76
GW	G 4650	G 4374		Harney	10/16/1968	IS	92.4	3	2	1.15
GW	G 4985	G 4703	51578	Harney	09/09/1969	IS	152.1	3	1	1.4
GW	G 4931	G 4655	44693	Harney	09/26/1969	IS	19.2	3	1	0.24
GW	G 5035	G 4745	44593	Harney	11/14/1969	IS	199	3	1	1.78
GW	G 5036	G 4746	44594	Harney	11/14/1969	IR , IS	333.8	3	1	4.17
GW	G 4972	G 4689	39866	Harney	12/10/1969	IR	50	3	1	0.63
GW	G 5138	G 4872	47705	Harney	03/23/1970	IR , IS	161.7	3	1	2.019
GW	G 5214	G 5077	46974	Harney	06/10/1970	IS	254	3	1	3.18

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WR_Type	Application	Permit	Certificate	County	Priority_Date	WR_Uses	POU_Acres_Total	Max_Duty	POD_Total	Max_Rate_Total (cfs)
GW	G 5216	G 5078	44695	Harney	06/15/1970	IR	151	3	1	1.3
GW	G 5208	G 5073		Harney	09/24/1970	IR , IS	753.9	3	7	7.1297
GW	G 5345	G 5287	95739	Harney	10/21/1970	IR	128.1	3	3	1.5999
GW	G 5345	G 5287	96107	Harney	10/21/1970	IR	21.9	3	3	0.2799
GW	G 5365	G 5300	46390	Harney	11/19/1970	IS	10	3	1	0.13
GW	G 5439	G 4923	44296	Harney	03/01/1971	IR	139	3	1	1.74
GW	G 5516	G 4914	96700	Harney	05/17/1971	IR	39.2	3	4	0.49
GW	G 5859	G 5595	48137	Harney	08/07/1972	IR	38.6	3	1	0.48
GW	G 5872	G 5603		Harney	08/21/1972	IS	123.9	3	4	1.23
GW	G 5889	G 5469	95813	Harney	08/30/1972	IR	84.4	3	1	1.06
GW	G 5951	G 5649	44781	Harney	12/07/1972	IR	74.6	3	1	0.93
GW	G 5950	G 5648	46263	Harney	12/07/1972	IR	72.8	3	1	0.91
GW	G 5952	G 5748	65565	Harney	12/08/1972	IR	95.7	3	1	1.02
GW	G 6056	G 5183	95571	Harney	04/04/1973	IR	118.2	3	2	1.48
GW	G 6186	G 5199		Harney	06/22/1973	IS	58.2	3	4	0.49
GW	G 6186	G 5199	93930	Harney	06/22/1973	IR , IS	201.6	3	1	1.71
GW	G 6213	G 5700	96843	Harney	07/06/1973	IR	60	3	3	0.6699
GW	G 6422	G 5997	46393	Harney	02/01/1974	IR	2.2	3	1	0.03
GW	G 6443	G 6045	61059	Harney	02/26/1974	IS	108.6	3	1	1.36
GW	G 6462	G 5227	47604	Harney	03/12/1974	IR	6.2	3	1	0.08
GW	G 6487	G 6107	50491	Harney	04/01/1974	IR	53.5	3	1	0.67
GW	G 6357	G 5813	46776	Harney	05/10/1974	IR	39.3	3	1	0.4
GW	G 6529	G 6139	47401	Harney	05/13/1974	IR	50	3	1	0.63
GW	G 6148	G 5240	95570	Harney	09/10/1974	IR , IS	335.5	3	5	4.0098
GW	G 6685	G 6090	61061	Harney	10/09/1974	MU			1	2.2
GW	G 6709	G 6251	51515	Harney	10/25/1974	IR	157.8	3	1	1.58
GW	G 6708	G 6250	87453	Harney	10/31/1974	IS	50	3	1	0.31
GW	G 6727	G 5254		Harney	11/18/1974	IR , IS	1033.2	3	2	8.6
GW	G 6729	G 5256	51445	Harney	11/18/1974	IR , IS	230.1	3	1	2.88
GW	G 6728	G 5255	96829	Harney	11/18/1974	IR , IS	273.9	3	8	3.3395
GW	G 6730	G 5257	96831	Harney	11/18/1974	IR , IS	223	3	6	2.787
GW	G 6726	G 5253	96832	Harney	11/18/1974	IR , IS	320	3	5	3.9998
GW	G 6734	G 6264	90408	Harney	11/22/1974	IR	274.9	3	5	3.1
GW	G 6759	G 6279	46264	Harney	12/12/1974	IR	27	3	1	0.34
GW	G 6692	G 7123	93018	Harney	01/13/1975	IR	378	3	3	3.88
GW	G 6802	G 6849	47896	Harney	01/31/1975	IR	84.4	3	1	1.06
GW	G 6838	G 6674	57760	Harney	03/05/1975	IR	10	3	2	0.13
GW	G 6953	G 6468	95038	Harney	03/31/1975	IR	104.7	3	2	1.3099
GW	G 6901	G 6429	50679	Harney	04/18/1975	IR	220.7	3	1	2.25
GW	G 7065	G 7351	91907	Harney	08/06/1975	IR	125.6	3	7	1.57
GW	G 7079	G 17596		Harney	08/18/1975	IR	155.4	3	2	2.0999
GW	G 7077	G 7352	91908	Harney	08/18/1975	IR	126.5	3	7	1.5799
GW	G 7079	G 17595	94130	Harney	08/18/1975	IR	367	3	3	4.44
GW	G 7079	G 17595	95100	Harney	08/18/1975	IR	87	3	2	1.05
GW	G 7148	G 6595	61375	Harney	10/30/1975	IR	115.8	3	1	1.32
GW	G 7175	G 6374	92041	Harney	12/05/1975	IR	92.6	3	1	1.16

**Table 2: List of Harney Basin Groundwater Rights inside the OAR 690-512 GHVGAC**  
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WR_Type	Application	Permit	Certificate	County	Priority_Date	WR_Uses	POU_Acres_Total	Max_Duty	POD_Total	Max_Rate_Total (cfs)
GW	G 7175	G 6374		Harney	12/05/1975	IS	19	3	1	0.24
GW	G 7063	G 6542	55573	Harney	01/02/1976	IR	50.8	3	1	0.64
GW	G 7224	G 6882	61066	Harney	01/08/1976	IC	209.4	3	1	2.62
GW	G 7225	G 6883	61067	Harney	01/08/1976	IC	250	3	1	3.1
GW	G 7227	G 6885	61069	Harney	01/08/1976	IC	314.6	3	1	2.8
GW	G 7228	G 6886	61070	Harney	01/08/1976	IR	124.4	3	1	1.56
GW	G 7229	G 6887	61071	Harney	01/08/1976	IS	305.4	3	1	2.8
GW	G 7226	G 6884	94228	Harney	01/08/1976	IS	221.6	3	1	2.77
GW	G 7226	G 6884	95075	Harney	01/08/1976	IS	21.2	3	1	0.27
GW	G 7407	G 6911	50682	Harney	06/17/1976	IR	107.7	3	1	1.35
GW	G 7408	G 6912	50683	Harney	06/17/1976	IR	4.8	3	1	0.06
GW	G 7477	G 6961		Harney	08/12/1976	IR	120	3	19	1.4991
GW	G 7488	G 6964		Harney	08/24/1976	IR	125.6	3	4	1.57
GW	G 7499	G 6979	96844	Harney	09/01/1976	IR	16.4	3	3	0.21
GW	G 7513	G 6990	47278	Harney	09/13/1976	IR	53.5	3	1	0.67
GW	G 7559	G 7025	50979	Harney	10/25/1976	IR	240	3	1	2.15
GW	G 7558	G 7024	92042	Harney	10/25/1976	IR	118.4	3	1	1.48
GW	G 7558	G 7024		Harney	10/25/1976	IS	19.8	3	1	0.25
GW	G 7577	G 7049	45496	Harney	11/10/1976	IR	32	3	1	0.4
GW	G 7608	G 7056	95637	Harney	12/15/1976	IR	76.1	3	5	0.64
GW	G 7466	G 7044	51198	Harney	12/28/1976	IR	40	3	1	0.5
GW	G 7649	G 7076	92043	Harney	01/18/1977	IR	43.8	3	2	0.55
GW	G 7649	G 7076		Harney	01/18/1977	IR , IS	31.3	3	2	0.39
GW	G 7725	G 7172	50805	Harney	02/14/1977	IR	14.2	3	1	0.18
GW	G 7910	G 7212	85110	Harney	03/10/1977	IS	113.4	3	1	1.34
GW	G 7911	G 7391	85942	Harney	03/10/1977	IS	131.5	3	1	0.66
GW	G 7911	G 7391	97158	Harney	03/10/1977	IR , IS	287.5	3	5	1.4594
GW	G 7988	G 7411	50806	Harney	04/01/1977	IR	33.4	3	1	0.42
GW	G 8020	G 7543		Harney	04/12/1977	IR	27.6	3	2	0.34
GW	G 8020	G 7543	95982	Harney	04/12/1977	IR	122.9	3	1	1.54
GW	G 8096	G 7547	87670	Harney	05/05/1977	IR	66	3	1	0.83
GW	G 8096	G 7547	91699	Harney	05/05/1977	IR	130.4	3	1	1.63
GW	G 8113	G 7691	50594	Harney	05/10/1977	IR	9.7	3	1	0.12
GW	G 8118	G 7549	82008	Harney	05/11/1977	IR	160	3	1	2
GW	G 8128	G 7639	96065	Harney	05/16/1977	IR	77.7	3	2	0.9
GW	G 8145	G 7642		Harney	05/19/1977	IS	77.9	3	4	0.97
GW	G 8173	G 7695	56321	Harney	05/27/1977	IR	303.8	3	2	3.8
GW	G 8185	G 7641	64237	Harney	06/02/1977	IR	75.6	3	1	0.95
GW	G 8239	G 7640	50369	Harney	06/27/1977	IR	75.9	3	1	0.78
GW	G 8264	G 7525	49120	Harney	07/11/1977	IR	29	3	1	0.36
GW	G 8272	G 7693	50685	Harney	07/14/1977	IR , IS	80	3	1	1
GW	G 8273	G 7694	50686	Harney	07/14/1977	IR	187	3	1	2.34
GW	G 8271	G 7692	50981	Harney	07/14/1977	IS	50	3	1	0.42
GW	G 7889	G 7438	67554	Harney	07/27/1977	IR	32.1	3	1	0.4
GW	G 8342	G 7766	50982	Harney	08/05/1977	IS	282.8	3	1	3.45
GW	G 8339	G 7765	61072	Harney	08/05/1977	IS	314.6	3	1	3.12

**Table 2: List of Harney Basin Groundwater Rights inside the OAR 690-512 GHVGAC**  
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WR_Type	Application	Permit	Certificate	County	Priority_Date	WR_Uses	POU_Acres_Total	Max_Duty	POD_Total	Max_Rate_Total (cfs)
GW	G 8346	G 7837	82359	Harney	08/08/1977	IR	225.4	3	1	2.82
GW	G 8387	G 7836	61376	Harney	08/19/1977	IC	157.3	3	1	1.32
GW	G 8415	G 7764		Harney	08/29/1977	IR	38.2	3	1	0.26
GW	G 8434	G 7988	60956	Harney	09/08/1977	IS	42	3	1	0.52
GW	G 8457	G 8160	50983	Harney	09/21/1977	IS	18.9	3	1	0.24
GW	G 8464	G 7763	86793	Harney	09/27/1977	IR	116	3	1	1.45
GW	G 8500	G 7990	93922	Harney	10/17/1977	IR	156.1	3	2	1.95
GW	G 8508	G 7835	67343	Harney	10/28/1977	IR	128.9	3	1	1.61
GW	G 8492	G 7838	75603	Harney	11/14/1977	IR	61.1	3	1	0.77
GW	G 8492	G 7838	91672	Harney	11/14/1977	IR	26.4	3	1	0.33
GW	G 8565	G 7919	57792	Harney	12/06/1977	IR	137	3	1	1.71
GW	G 8493	G 7664		Harney	12/06/1977	IR	120	3	3	1.5
GW	G 8493	G 7664	96154	Harney	12/06/1977	IR	506.2	3	11	6.3289
GW	G 8573	G 7920	67657	Harney	12/12/1977	IC	115.7	3	2	1.45
GW	G 8622	G 8162	61081	Harney	01/25/1978	IR	158.6	3	1	1.98
GW	G 8621	G 8161	91652	Harney	01/25/1978	IR , IS	364.6	3	3	4.5573
GW	G 8621	G 8161	96378	Harney	01/25/1978	IR	179	3	2	2.24
GW	G 8642	G 8055	87900	Harney	02/14/1978	IS	29.7	3	1	0.37
GW	G 8643	G 8056	95076	Harney	02/14/1978	IR , IS	166.5	3	2	2
GW	G 8645	G 7992	95638	Harney	02/14/1978	IR	64.7	3	5	0.81
GW	G 8642	G 8055	96900	Harney	02/14/1978	IS	21.3	3	1	0.27
GW	G 8700	G 8058	63575	Harney	03/22/1978	IS	30	3	1	0.38
GW	G 8720	G 8269	87671	Harney	04/04/1978	IR , IS	122.8	3	2	1.53
GW	G 8720	G 8269	91700	Harney	04/04/1978	IS	104.4	3	1	1.31
GW	G 8779	G 8192	57864	Harney	05/01/1978	IR	155	3	1	1.34
GW	G 8802	G 8243	55578	Harney	05/08/1978	IR	198.9	3	1	2.48
GW	G 8800	G 8241	60704	Harney	05/08/1978	IR	202.7	3	1	2.53
GW	G 8801	G 8242	95572	Harney	05/08/1978	IR	40	3	2	0.5
GW	G 8816	G 18001	95839	Harney	05/22/1978	IR	120	3	1	1.5
GW	G 8819	G 8345	55579	Harney	05/23/1978	IR	15	3	1	0.19
GW	G 8819	G 8345	94034	Harney	05/23/1978	IR	30	3	1	0.37
GW	G 8331	G 8151	50282	Harney	06/02/1978	IS	78.4	3	1	0.21
GW	G 8330	G 8190	50283	Harney	06/02/1978	IR	22.2	3	1	0.28
GW	G 8332	G 8152	62675	Harney	06/02/1978	IR	157.2	3	3	1.97
GW	G 8847	G 8429	65932	Harney	06/12/1978	IS	55.8	3	1	0.7
GW	G 8858	G 8244	93268	Harney	06/16/1978	IR	129	3	1	1.61
GW	G 8880	G 8430	96679	Harney	07/03/1978	IR	37.5	3	1	0.47
GW	G 8892	G 8309	82695	Harney	07/18/1978	IR , IS	70.1	3	1	0.88
GW	G 8904	G 8310	64767	Harney	07/25/1978	IS	57.4	3	1	0.52
GW	G 8916	G 8311		Harney	08/07/1978	IR	130.4	3	2	1.634
GW	G 8971	G 8453	62213	Harney	10/16/1978	MU			1	4.8
GW	G 8973	G 8372	95573	Harney	10/18/1978	IR	82.4	3	2	1.03
GW	G 8993	G 8373	63580	Harney	10/31/1978	IR	94.9	3	1	1.19
GW	G 8997	G 8374	58998	Harney	11/03/1978	IR	31.2	3	1	0.39
GW	G 8947	G 8406	93854	Harney	12/15/1978	IR , IS	281.2	3	4	2.6698
GW	G 9129	G 8509	66509	Harney	02/13/1979	IS	62.3	3	1	0.26



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WR_Type	Application	Permit	Certificate	County	Priority_Date	WR_Uses	POU_Acres_Total	Max_Duty	POD_Total	Max_Rate_Total (cfs)
GW	G 9130	G 8510	66510	Harney	02/13/1979	IS	146.9	3	1	1.51
GW	G 9141	G 8596	51253	Harney	02/21/1979	IR	79	3	1	0.59
GW	G 9182	G 8527	83402	Harney	03/29/1979	IR	148.4	3	1	0.97
GW	G 9182	G 8527	95966	Harney	03/29/1979	IR	126.7	3	3	0.8499
GW	G 9195	G 8550	83462	Harney	04/09/1979	IR	5.2	3	3	0.06498
GW	G 9195	G 8550	90409	Harney	04/09/1979	IR	59.6	3	5	0.745
GW	G 9219	G 9840	63584	Harney	04/30/1979	IR	154.8	3	1	1.07
GW	G 9283	G 8771	63576	Harney	06/18/1979	IS	204.5	3	2	2.56
GW	G 9052	G 8595	67718	Harney	06/21/1979	IR	24.1	3	1	0.2228
GW	G 9290	G 8808		Harney	06/21/1979	IR	7.6	3	4	0.1
GW	G 9315	G 8734	83713	Harney	07/17/1979	IR	27.4	3	1	0.34
GW	G 9376	G 8704	95290	Harney	08/23/1979	IR	156.6	3	1	1.96
GW	G 9408	G 8705	82395	Harney	09/19/1979	IR	155.6	3	1	1.95
GW	G 9413	G 8772	61377	Harney	09/24/1979	IR	160	3	1	1.35
GW	G 9415	G 8773	90280	Harney	09/25/1979	IR	65.6	3	2	0.82
GW	G 9487	G 8968	55300	Harney	12/13/1979	IR	49.4	3	1	0.62
GW	G 9510	G 8910	63595	Harney	01/11/1980	IS	79.1	3	1	0.99
GW	G 9521	G 8912		Harney	01/22/1980	IR	8.6	3	1	0.1
GW	G 9520	G 8911	60731	Harney	01/22/1980	IS	60	3	1	0.75
GW	G 9522	G 9382	82371	Harney	01/22/1980	IR	43.8	3	1	0.55
GW	G 9558	G 9273	82463	Harney	02/21/1980	IR	252.8	3	2	3.16
GW	G 9568	G 9211	94703	Harney	02/25/1980	IR	245.1	3	1	3.1
GW	G 9568	G 9211	96710	Harney	02/25/1980	IR	50.9	3	7	0.5999
GW	G 9597	G 8977	65350	Harney	03/07/1980	IR	160	3	3	2
GW	G 9722	G 8978		Harney	05/08/1980	IR	19	3	1	0.24
GW	G 9722	G 8978	91398	Harney	05/08/1980	IR	76	3	1	0.95
GW	G 9764	G 8979		Harney	06/04/1980	IR	1056.5	3	17	13.2091
GW	G 9764	G 8979		Harney	06/04/1980	IR	1056.5	3	17	13.2091
GW	G 9769	G 8980	92044	Harney	06/06/1980	IR	101.9	3	2	1.27
GW	G 9769	G 8980		Harney	06/06/1980	IS	18.1	3	1	0.23
GW	G 9871	G 9060	62472	Harney	08/07/1980	IR	151.5	3	1	1.89
GW	G 9872	G 9061	63683	Harney	08/07/1980	IR	135.6	3	2	1.7
GW	G 10013	G 9160	82698	Harney	11/07/1980	IR	101	3	1	1.26
GW	G 10047	G 9163	62481	Harney	12/10/1980	IR	40.3	3	1	0.15
GW	G 10087	G 9199	62483	Harney	01/08/1981	IR	80	3	1	0.7
GW	G 10114	G 9200	60957	Harney	01/22/1981	IS	62.8	3	1	0.785
GW	G 10206	G 9310	67666	Harney	03/11/1981	IS	218.6	3	2	2.34
GW	G 10209	G 9274	62694	Harney	03/12/1981	IR	156.8	3	1	1.25
GW	G 10213	G 9346	82699	Harney	03/13/1981	IR	125.6	3	1	1.45
GW	G 10259	G 9406	55580	Harney	04/07/1981	IR	6.4	3	1	0.08
GW	G 10258	G 9324	94430	Harney	04/07/1981	IR	374.2	3	3	4.685
GW	G 10258	G 9324	96701	Harney	04/07/1981	IR	158.4	3	3	1.98
GW	G 10258	G 9324	97112	Harney	04/07/1981	IR	106.3	3	2	1.33
GW	G 10268	G 9419	95738	Harney	04/10/1981	IR , IS	432.7	3	3	5.4099
GW	G 10330	G 9407	97111	Harney	05/19/1981	IR	72.7	3	2	0.91
GW	G 10350	G 9430	62219	Harney	05/29/1981	IR	19	3	1	0.24

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WR_Type	Application	Permit	Certificate	County	Priority_Date	WR_Uses	POU_Acres_Total	Max_Duty	POD_Total	Max_Rate_Total (cfs)
GW	G 10437	G 9805	81237	Harney	07/09/1981	IR , IS	43	3	1	0.54
GW	G 10514	G 9673	64116	Harney	08/13/1981	IR	111.2	3	1	1.08
GW	G 9858	G 9460	82372	Harney	09/29/1981	IR	151.8	3	1	1.9
GW	G 10604	G 9900		Harney	11/23/1981	IR	18.1	3	1	0.27
GW	G 10604	G 9900	80373	Harney	11/23/1981	IR	67.1	3	1	0.73
GW	G 10609	G 9525	64026	Harney	12/09/1981	IR	75.8	3	1	0.95
GW	G 10611	G 9726	57865	Harney	12/14/1981	IS	79.3	3	1	0.99
GW	G 9946	G 9654	67721	Harney	03/10/1982	IR	170.1	3	1	2.1
GW	G 10688	G 9879		Harney	04/19/1982	IR	343	3	19	4.2883
GW	G 10692	G 9814	68453	Harney	04/22/1982	IR	88.4	3	1	1.04
GW	G 10692	G 9814	90949	Harney	04/22/1982	IR	242.1	3	2	2.9099
GW	G 10753	G 9823	61113	Harney	06/22/1982	IR	127.2	3	1	1.59
GW	G 10520	G 9876	67566	Harney	08/03/1982	IR	138.8	3	1	1.74
GW	G 10816	G 9908	63702	Harney	09/21/1982	IR	132.7	3	1	1.62
GW	G 10823	G 9992	95814	Harney	10/06/1982	IR	39.8	3	1	0.5
GW	G 10578	G 10048	82389	Harney	04/11/1983	IR , IS	60.5	3	1	0.76
GW	G 10976	G 10105	62014	Harney	05/26/1983	IR	40	3	1	0.5
GW	G 10977	G 10106		Harney	05/26/1983	IR	17.74	3	2	0.22
GW	G 10977	G 10106	86618	Harney	05/26/1983	IR	62.26	3	1	0.78
GW	G 11037	G 10702		Harney	07/25/1983	IR , IS	583	3	3	6.2
GW	G 11036	G 10862	96830	Harney	07/25/1983	IR , IS	386.5	3	5	3.5198
GW	G 11107	G 10356	82025	Harney	09/29/1983	IR	134.4	3	1	1.68
GW	G 11104	G 10243	83280	Harney	09/29/1983	IR	71.2	3	2	0.89
GW	G 11106	G 10397		Harney	09/29/1983	IR	31	3	2	0.39
GW	G 11106	G 10397	93923	Harney	09/29/1983	IR	108.3	3	1	1.36
GW	G 11131	G 10304	65246	Harney	10/06/1983	IR	220	3	4	6.03
GW	G 11218	G 10339	65785	Harney	01/20/1984	IR	53.4	3	1	0.67
GW	G 11219	G 10340		Harney	01/20/1984	IR	100	3	6	1.2498
GW	G 11219	G 10340	95256	Harney	01/20/1984	IR	61.1	3	2	0.7599
GW	G 11220	G 10341	95748	Harney	01/20/1984	IR	126	3	2	1.6
GW	G 11173	G 10383	64136	Harney	03/13/1984	IR	39.1	3	1	0.49
GW	G 11250	G 10390	90417	Harney	03/26/1984	IR	122	3	1	1.525
GW	G 11250	G 10390	91909	Harney	03/26/1984	IR	610	3	7	7.623
GW	G 11328	G 10466		Harney	12/28/1984	IR	105.9	3	2	1.3236
GW	G 11364	G 10516	64256	Harney	04/04/1985	IR	34.2	3	1	0.43
GW	G 11378	G 10512		Harney	04/23/1985	IR	53.5	3	2	0.67
GW	G 11507	G 10666	84868	Harney	04/10/1986	IR	31.1	3	1	0.39
GW	G 11583	G 10710		Harney	01/29/1987	IR	216.6	3	4	2.07
GW	G 11621	G 10747		Harney	02/09/1987	IR	20	3	2	0.25
GW	G 11723	G 10816	95097	Harney	10/28/1987	IS	71.8	3	1	0.9
GW	G 11776	G 10942	64881	Harney	01/19/1988	FM			1	0.2
GW	G 11856	G 12091	94329	Harney	09/29/1988	IR	172.8	3	2	2.1599
GW	G 11871	G 11059	92312	Harney	11/17/1988	IR	38.6	3	1	0.48
GW	G 11876	G 11060	89676	Harney	12/08/1988	IS	134.7	3	2	1.68
GW	G 11672	G 10904		Harney	05/17/1989	IR , IS	76	2.5	1	0.3342
GW	G 11926	G 10914	94132	Harney	05/23/1989	IR	2	3	1	0.03

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GW	G 11926	G 10914	95099	Harney	05/23/1989	IR	20	3	2	0.25
GW	G 11926	G 10914	95639	Harney	05/23/1989	IR	113.6	3	5	1.42
GW	G 12036	G 11098		Harney	02/27/1990	IR	95.8	3	1	1.2
GW	G 12066	G 12129	93710	Harney	04/10/1990	IR , IS	510.3	3	3	6.3799
GW	G 12111	G 12283	94919	Harney	05/14/1990	IR	10.3	3	1	0.13
GW	G 12117	G 11338		Harney	05/17/1990	IR	125.7	3	2	1.57
GW	G 12154	G 11230	93211	Harney	06/27/1990	IR	254.6	3	2	3.2
GW	G 12174	G 11195		Harney	07/13/1990	IS	215.4	3	1	2.69
GW	G 12182	G 13430	96374	Harney	07/18/1990	IR	9.3	3	1	0.116
GW	G 12263	G 12151	95078	Harney	10/16/1990	IR	9	3	3	0.0999
GW	G 12283	G 11697		Harney	11/05/1990	IR	80	2.5	2	1
GW	G 12283	G 11697		Harney	11/05/1990	IR	80	3	2	1
GW	G 12377	G 11232		Harney	01/02/1991	IR	223	3	3	2.7798
GW	G 12396	G 11242	93925	Harney	01/23/1991	IR	95.8	3	4	1.2
GW	G 12396	G 11242	95404	Harney	01/23/1991	IR	94.5	3	1	1.18
GW	G 12396	G 11242	95513	Harney	01/23/1991	IR	207.2	3	5	2.59
GW	G 12425	G 11240		Harney	02/22/1991	IS	211.1	3	1	2.64
GW	G 12453	G 11424		Harney	03/20/1991	IS	55.5	3	1	0.69
GW	G 12463	G 11785		Harney	04/01/1991	IR	59.4	3	3	0.38
GW	G 12463	G 11785	94800	Harney	04/01/1991	IR	77.6	3	2	0.49
GW	G 12463	G 11785	96718	Harney	04/01/1991	IR	59.4	3	1	0.39
GW	G 12485	G 18148		Harney	04/15/1991	IR	206	3	4	2.58
GW	G 12539	G 11320	72405	Harney	05/16/1991	IR	44	3	1	0.55
GW	G 12559	G 18126		Harney	06/07/1991	IR	255	3	5	3.19
GW	G 12559	G 18126		Harney	06/07/1991	IR	255	3	5	3.19
GW	G 12610	G 16405		Harney	07/15/1991	IR	112.2	3	1	1.4
GW	G 12614	G 11810	86077	Harney	07/18/1991	IS	193.8	3	1	1.05
GW	G 12664	G 11956		Harney	09/24/1991	IR	258.4	3	2	3.23
GW	G 12817	G 11679	95574	Harney	03/10/1992	IR	82	3	2	1.025
GW	G 12820	G 11681	84664	Harney	03/13/1992	PM			1	0.1448
GW	G 13081	G 12961	97231	Harney	04/13/1992	IR	161.5	3	4	2.0199
GW	G 12928	G 12262	91418	Harney	05/21/1992	IR	131	3	1	1.64
GW	G 12926	G 12938	91644	Harney	05/21/1992	IR	354.7	3	2	4.43
GW	G 13025	G 11605	85999	Harney	07/08/1992	IR	251.2	3	2	2.23
GW	G 13189	G 11750	91443	Harney	11/17/1992	IR , ST , WI	30	3	3	0.4
GW	G 13201	G 11830		Harney	11/30/1992	IR	76.1	3	1	0.95
GW	G 13201	G 11830		Harney	11/30/1992	IR	30.6	3	4	0.38
ST	R 75247		69443	Harney	01/01/1993	LV , WI			5	
ST	R 75491		69602	Harney	01/01/1993	LV , WI			10	
ST	R 75492		69603	Harney	01/01/1993	LV , WI			5	
ST	R 76286		70241	Harney	01/01/1993	LV , WI			4	
ST	R 76647		70577	Harney	01/01/1993	LV , WI			3	
ST	R 79861		71632	Harney	01/01/1993	LV , ST , WI			8	
ST	R 81333		73431	Harney	01/01/1993	LV , WI			2	
GW	G 13295	G 12276		Harney	02/16/1993	IR	553	3	4	6.91
GW	G 13373	G 12027		Harney	04/23/1993	IR	182.6	3	2	2.28

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WR_Type	Application	Permit	Certificate	County	Priority_Date	WR_Uses	POU_Acres_Total	Max_Duty	POD_Total	Max_Rate_Total (cfs)
GW	G 13437	G 12703	91706	Harney	06/17/1993	IR	127.2	3	2	1.59
GW	G 13694	G 11968	85343	Harney	05/20/1994	IR	35.8	3	1	0.45
GW	G 13702	G 12067	85890	Harney	06/01/1994	IR	33.3	3	1	0.42
GW	G 13801	G 12639		Harney	08/30/1994	IR	173.2	3	2	2.16
GW	G 13822	G 12676	95915	Harney	09/09/1994	FI , IR , WI	159.7		3	2.0999
GW	G 13822	G 12676	95915	Harney	09/09/1994	FI , IR , WI	159.7	3	3	2.0999
GW	G 13822	G 12676	96845	Harney	09/09/1994	IR	49.7	3	3	0.6198
GW	G 13834	G 12532		Harney	09/28/1994	IR	79.7	3	1	0.996
GW	G 13847	G 12698	95089	Harney	10/06/1994	IR	160.6	3	1	2.01
GW	G 13971	G 12720		Harney	01/04/1995	IS	82.4	3	3	1.03
GW	G 14079	G 13566	95757	Harney	06/01/1995	IR	9.6	3	1	0.12
GW	G 14135	G 12760		Harney	07/20/1995	IR	486.4	3	7	4.5585
GW	G 14136	G 12841	95656	Harney	07/20/1995	IR	393.5	3	7	4.9197
GW	G 14183	G 12714	94963	Harney	10/16/1995	IR	30.5	3	1	0.38
GW	G 14184	G 12756		Harney	10/17/1995	IR	79.2	3	1	1
GW	G 14226	G 13214		Harney	12/13/1995	IR	28.8	3	3	0.36
GW	G 14229	G 12882	90757	Harney	12/21/1995	IR	62.29	3	1	0.78
GW	G 14347	G 13204	95030	Harney	07/15/1996	IS	18.7	3	1	0.23
GW	G 14348	G 13168	95031	Harney	07/15/1996	IS	8.9	3	1	0.11
GW	G 14377	G 17845	93786	Harney	09/13/1996	IR	101.95	3	2	0.668
GW	G 14518	G 13381	94876	Harney	05/12/1997	IR	124	3	1	1.55
GW	G 14517	G 17523	94962	Harney	05/12/1997	IR , IS	225.6	3	1	2.82
GW	G 14516	G 18748	96638	Harney	05/12/1997	IR , IS	183	3	1	2.29
GW	G 14526	G 13317	89634	Harney	05/21/1997	IR	9	3	1	0.112
GW	G 14645	G 13485	90309	Harney	11/24/1997	IM , IR , IS	453.5		1	3.23
GW	G 14678	G 18090	95195	Harney	02/02/1998	IR , IS	1587.9	3	13	16.7993
GW	G 14707	G 13740	96652	Harney	03/12/1998	IS	89.2	3	1	1.12
GW	G 14720	G 13563	90593	Harney	04/01/1998	IR	81.1	3	1	1.01
GW	G 14730	G 13755	94121	Harney	04/20/1998	IR	244	3	1	3.05
GW	G 14798	G 13698		Harney	07/06/1998	IR	492.6	3	3	6.1599
GW	G 14819	G 13645	97073	Harney	08/10/1998	IR	488	3	5	6.0997
GW	G 14844	G 13662	95759	Harney	09/21/1998	IR	80.6	3	1	1.01
GW	G 14853	G 17514		Harney	10/09/1998	IR	124	3	3	1.5498
GW	G 14852	G 13639		Harney	10/09/1998	IR	124.8	3	3	1.56
GW	G 14861	G 13686	93709	Harney	11/09/1998	MU			1	2.9
GW	G 14882	G 13687		Harney	12/15/1998	IR	128	3	1	1.6
GW	G 14899	G 13731	95127	Harney	01/07/1999	IR	396.2	3	2	4.2299
GW	G 14901	G 15032	94429	Harney	01/08/1999	IR	278.3	3	1	3.48
GW	G 14924	G 13773	94463	Harney	01/25/1999	IR	123.8	3	2	1.55
GW	G 14923	G 17544		Harney	02/08/1999	IR	242.4	3	1	3.03
GW	G 14923	G 17543	94369	Harney	02/08/1999	IR	335	3	2	4.19
GW	G 14923	G 17544	94472	Harney	02/08/1999	AG		3	4	0.27
GW	G 14939	G 14055	96215	Harney	03/04/1999	IR	190.5	3	2	2.3799
GW	G 14960	G 17988	95843	Harney	04/01/1999	IR	105.2	3	3	1.3098
GW	G 14970	G 17848	97012	Harney	04/12/1999	IR	72	3	2	0.8999
GW	G 14974	G 13822	95096	Harney	04/23/1999	DN			1	0.01

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GW	G 15009	G 15663	91034	Harney	07/08/1999	IR	33.3	3	1	0.416
GW	G 15009	G 15663	95518	Harney	07/08/1999	IR	38.2	3	2	0.478
GW	G 15030	G 13862		Harney	09/03/1999	IR	94	3	1	1.18
GW	G 15048	G 13978	95974	Harney	09/10/1999	IR	46.4	3	1	0.58
GW	G 15040	G 15004	90861	Harney	09/24/1999	IR	125.2	3	1	1.57
GW	G 15117	G 14993	94374	Harney	04/05/2000	IR	432.2	3	5	5.4
GW	G 15118	G 18413	95837	Harney	04/05/2000	IR	590.1	3	6	7.37
GW	G 15168	G 15158	93879	Harney	06/02/2000	IR , IS	286.9	3	6	3.5898
GW	G 15181	G 15008		Harney	07/06/2000	IR	524.8	3	3	6.459
GW	G 15323	G 15030		Harney	07/31/2000	FP , IR , PM	15		2	0.965
GW	G 15205	G 15019		Harney	08/25/2000	IR	40	3	1	0.5
GW	G 15205	G 15019	95242	Harney	08/25/2000	IR	85	3	1	1.06
GW	G 15256	G 15206	96807	Harney	12/05/2000	IR	133.6	3	2	1.67
GW	G 15534	G 15617		Harney	06/19/2001	IR	160	3	1	2
GW	G 15630	G 15214		Harney	10/09/2001	IR	120	3	1	0.62
GW	G 15675	G 18387		Harney	01/03/2002	IR	958.5	3	11	11.979
GW	G 15675	G 18649		Harney	01/03/2002	IR	638.5	3	14	7.98
GW	G 15713	G 15365		Harney	02/27/2002	IR	269.2	3	1	3.36
GW	G 15732	G 18633		Harney	03/29/2002	CM			5	0.9124
GW	G 15751	G 15323		Harney	04/24/2002	IR	59.03	3	1	0.74
GW	G 15753	G 18342	95892	Harney	04/25/2002	IR , IS	397.34	3	2	4.965
GW	G 15768	G 15410	93906	Harney	05/22/2002	WI			1	0.07
GW	G 15788	G 15355		Harney	07/01/2002	IR	130	3	2	1.63
GW	G 15817	G 15481		Harney	08/12/2002	IR	368	3	4	4.6
GW	G 15831	G 15497		Harney	08/29/2002	IR , IS	14.9	3	1	0.075
GW	G 15833	G 15490	93874	Harney	08/30/2002	PM , ST			1	0.045
GW	G 15939	G 15527	93452	Harney	03/03/2003	IR	92.3	3	2	1.15
GW	G 16045	G 15674		Harney	07/10/2003	IR	100	3	1	1.11
GW	G 16058	G 15591	96299	Harney	07/28/2003	IR	255.8	3	1	3.2
GW	G 16127	G 15705		Harney	11/05/2003	IR	80	3	1	1
GW	G 16128	G 15713	94262	Harney	11/06/2003	IR	13	3	1	0.12
GW	G 16133	G 15960	93478	Harney	11/17/2003	IR	56.2	3	1	0.7
GW	G 16132	G 15801		Harney	11/17/2003	IS	200.42	3	5	2.51
GW	G 16207	G 18499		Harney	03/11/2004	IR	405.4	3	8	5.0696
GW	G 16003	G 15625	95009	Harney	05/05/2004	IS	49.7	3	1	0.63
GW	G 16245	G 15798	95196	Harney	05/10/2004	IR	59	3	1	0.74
GW	G 16257	G 15942	95817	Harney	05/28/2004	IR	287.8	3	4	3.2098
GW	G 16263	G 15825	95206	Harney	06/16/2004	IR	185.5	3	2	1.81
GW	G 16267	G 15852	94016	Harney	06/23/2004	IR	113.7	3	1	1.271
GW	G 16271	G 15926	94494	Harney	06/23/2004	IR	130	3	1	1.63
GW	G 16269	G 15831	95973	Harney	06/28/2004	IR	126	3	2	1.03
GW	G 16306	G 15928	94922	Harney	08/30/2004	IR	28.6	3	1	0.36
GW	G 16335	G 15949		Harney	11/05/2004	IR	24.3	3	1	0.3
GW	G 16335	G 15949	94799	Harney	11/05/2004	IR	125	3	1	1.57
GW	G 16381	G 17374	95091	Harney	02/03/2005	IR	242	3	4	3
GW	G 16383	G 15956	95467	Harney	02/09/2005	IR	9	3	1	0.112

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WR_Type	Application	Permit	Certificate	County	Priority_Date	WR_Uses	POU_Acres_Total	Max_Duty	POD_Total	Max_Rate_Total (cfs)
GW	G 16411	G 15965		Harney	03/10/2005	IR	231.5	3	6	1.78
GW	G 16420	G 16039	91514	Harney	03/21/2005	IR	208.4	3	1	2.6
GW	G 16419	G 16030	90457	Harney	03/22/2005	IS	136.5	3	1	1.25
GW	G 16421	G 16081		Harney	03/23/2005	IR , IS	617.6	3	2	7.72
GW	G 16460	G 16165	96174	Harney	05/16/2005	IR	393.6	3	8	4.9196
GW	G 16460	G 16165	96174	Harney	05/16/2005	IR	393.6	3	8	4.9196
GW	G 16583	G 17082		Harney	12/21/2005	IR	260	3	2	3.25
GW	G 16599	G 16257		Harney	01/13/2006	IR	276.6	2.5	7	3.3795
GW	G 16599	G 16257		Harney	01/13/2006	IR	276.6	3	7	3.3795
GW	G 16597	G 16169		Harney	01/17/2006	IS	126.6	3	1	1
GW	G 16605	G 16205		Harney	01/24/2006	IR	125.6	3	1	1.57
GW	G 16610	G 16212		Harney	01/24/2006	IR	31	3	1	0.23
GW	G 16625	G 16487	94502	Harney	02/13/2006	IR , IS	269.4	2.5	1	1.84
GW	G 16660	G 16180	93350	Harney	04/10/2006	IR	126	3	1	1.58
GW	G 16670	G 16217	93846	Harney	04/14/2006	IR	152.2	3	1	1.89
GW	G 16668	G 17816	95836	Harney	05/12/2006	IR	1148.8	3	7	13.9987
GW	G 16713	G 16557	94301	Harney	08/22/2006	IR	31.1	3	1	0.39
GW	G 16725	G 16341		Harney	09/14/2006	IR	19.28	3	1	0.24
GW	G 16741	G 18303		Harney	10/25/2006	IR	150	3	4	1.88
GW	G 16751	G 16295		Harney	11/08/2006	IR	477	3	5	5.96
GW	G 16754	G 16255		Harney	11/20/2006	IR	99.7	3	6	1.2498
GW	G 16762	G 16549	91025	Harney	12/08/2006	IS	30.1	3	1	0.38
GW	G 16776	G 16305	94904	Harney	01/05/2007	IR	135	3	1	0.89
GW	G 16820	G 16322	95029	Harney	03/16/2007	IR	142	3	1	1.78
GW	G 16819	G 16330	94187	Harney	03/19/2007	IR	80	3	1	1
GW	G 16828	G 16860	95006	Harney	04/09/2007	IR	35.2	3	1	0.44
GW	G 16826	G 17671	95978	Harney	04/09/2007	IR	160	3	2	1.89
GW	G 16843	G 18149		Harney	04/30/2007	IR	347.7	3	4	4.3
GW	G 16851	G 16355		Harney	05/11/2007	IR	20	3	1	0.25
GW	G 16867	G 17441		Harney	05/23/2007	IR	160	3	3	1.9998
GW	G 16861	G 16432	94071	Harney	05/29/2007	IR	33.3	3	1	0.42
GW	G 16908	G 18141	95844	Harney	07/25/2007	IR	133.2	3	2	1.67
GW	G 16917	G 16378	95838	Harney	08/20/2007	IR	121.5	3	1	1.5
GW	G 16928	G 16338		Harney	09/17/2007	QM			2	1
GW	G 16953	G 16315	94895	Harney	11/02/2007	IR	182.5	3	1	2.28
GW	G 16961	G 16434	93568	Harney	11/14/2007	IR	75.6	3	1	0.945
GW	G 16964	G 16467	95095	Harney	11/19/2007	IR	127.7	3	1	1.6
GW	G 16969	G 16395	95586	Harney	11/27/2007	IR	62	3	1	0.74
GW	G 16973	G 18516	96826	Harney	11/30/2007	IR	263.3	3	3	3.2899
GW	G 16979	G 16384	96714	Harney	12/12/2007	IR	125.6	3	1	1.57
GW	G 16983	G 17989	95740	Harney	12/17/2007	IR	400	3	10	4.9994
GW	G 16987	G 16398	91681	Harney	12/24/2007	IR	146.7	3	1	1.34
GW	G 16998	G 16975		Harney	01/25/2008	IR	240	3	4	2.9997
GW	G 16997	G 18369		Harney	01/28/2008	IR	209.4	3	6	2.6199
GW	G 17002	G 18251	95496	Harney	02/08/2008	IR	320.39	3	2	3.11
GW	G 17005	G 16400	95037	Harney	02/19/2008	IR , IS	53.2	3	3	0.6561

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GW	G 17013	G 16503	94166	Harney	02/28/2008	IR	102.3	3	1	1.28
GW	G 17028	G 16473	96732	Harney	03/31/2008	IR	69.4	3	1	0.22
GW	G 17041	G 17850	95845	Harney	04/16/2008	IR	125.2	3	1	1.5
GW	G 17045	G 16463		Harney	04/23/2008	IR	35	3	1	0.44
GW	G 17061	G 17672	96128	Harney	05/27/2008	IR	251.2	3	3	3.1398
GW	G 17062	G 16483	94462	Harney	05/29/2008	IR	715.2	3	5	8.9398
GW	G 17066	G 18443		Harney	06/05/2008	IR	800	3	5	8
GW	G 17073	G 16498		Harney	06/17/2008	IR	210	3	2	2.63
GW	G 17072	G 16499		Harney	06/17/2008	IR	250.4	3	4	2.9
GW	G 17073	G 16498	94555	Harney	06/17/2008	IR	70	3	1	0.87
GW	G 17071	G 17673	96649	Harney	06/17/2008	IR	125.2	3	2	1.5
GW	G 17086	G 16583	96833	Harney	07/21/2008	IR	551.4	3	4	6.8998
GW	G 17090	G 16571		Harney	08/04/2008	IR	240	3	2	3
GW	G 17095	G 16651	96373	Harney	08/19/2008	IR	50.2	3	1	0.63
GW	G 17100	G 16614	95980	Harney	09/12/2008	IR	61.6	3	1	0.77
GW	G 17101	G 16517	93964	Harney	09/15/2008	IR	26.8	3	1	0.335
GW	G 17107	G 17283	94961	Harney	09/17/2008	IR	125.2	3	4	1.5699
GW	G 17120	G 18180		Harney	10/07/2008	IS	125.6	3	2	1.5
GW	G 17131	G 16670	93820	Harney	10/29/2008	IR	157.67	3	1	1.97
GW	G 17134	G 18252	95497	Harney	10/30/2008	IR	125.6	3	1	1.57
GW	G 17135	G 17849	95846	Harney	10/30/2008	IR	125.2	3	1	0.06
GW	G 17138	G 18378		Harney	11/04/2008	IR , IS	421	3	3	5.2599
GW	G 17139	G 18347		Harney	11/04/2008	IR , IS	226	3	7	2.9626
GW	G 17143	G 16564		Harney	11/17/2008	IS	560	3	13	6.994
GW	G 17146	G 17991	95742	Harney	11/24/2008	IR	37.6	3	10	0.47
GW	G 17155	G 16946		Harney	12/23/2008	IR	120	3	1	1.5
GW	G 17168	G 17603	94131	Harney	01/23/2009	IR	125.6	3	1	1.35
GW	G 17168	G 17603	95101	Harney	01/23/2009	IR	14.4	3	2	0.15
GW	G 17189	G 17650	96926	Harney	03/17/2009	IR	291.2	3	3	3.5999
GW	G 17235	G 17234	95758	Harney	06/10/2009	IR	121.5	3	1	1.89
GW	G 17242	G 18471	96108	Harney	06/29/2009	IR	160	3	6	1.5597
GW	G 17249	G 17788		Harney	08/03/2009	IR	970.3	3	11	12.1297
GW	G 17250	G 16936	97289	Harney	08/03/2009	IR	150.8	3	1	1.89
GW	G 17254	G 17951	96161	Harney	08/20/2009	IR	130.85	3	3	2
GW	G 17262	G 16748		Harney	09/18/2009	IR	80	3	1	1
GW	G 17265	G 16793		Harney	09/21/2009	IR	320	3	2	5.33
GW	G 17275	G 16802	96042	Harney	10/21/2009	IR	12	3	1	0.15
GW	G 17284	G 18263		Harney	11/06/2009	IR , IS	125.6	3	7	1.5995
GW	G 17306	G 16797		Harney	02/04/2010	IR	394.04	3	3	4.9299
GW	G 17314	G 16792	96099	Harney	02/23/2010	IR	26	3	1	0.43
GW	G 17365	G 17128	94899	Harney	04/26/2010	IR	113.2	3	3	1.3999
GW	G 17424	G 16847		Harney	09/24/2010	GT			2	0.98
GW	G 17447	G 18531		Harney	01/03/2011	IR	754	3	4	8.7
GW	G 17452	G 17992	95743	Harney	03/10/2011	AG , IR	434.62	3	10	7.2595
GW	G 17490	G 17794	97124	Harney	09/28/2011	IR	36	3	1	0.45
GW	G 17489	G 16931	95975	Harney	09/29/2011	IR	128.5	3	1	1.61

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WR_Type	Application	Permit	Certificate	County	Priority_Date	WR_Uses	POU_Acres_Total	Max_Duty	POD_Total	Max_Rate_Total (cfs)
GW	G 17505	G 16934	93605	Harney	11/14/2011	IR	38.3	3	1	0.5
GW	G 17511	G 18113	95997	Harney	12/05/2011	IR	80	3	2	1
GW	G 17524	G 16992		Harney	01/19/2012	IR	324	3	3	5.409
GW	G 17525	G 16961	97239	Harney	01/23/2012	IR	37.3	3	1	0.746
GW	G 17527	G 16977		Harney	01/26/2012	IR	135	3	2	2.45
GW	G 17531	G 16980		Harney	02/09/2012	IR	120	3	1	2
GW	G 17542	G 17495	95835	Harney	03/28/2012	IS	102.5	3	1	1.28
GW	G 17561	G 17990	95741	Harney	06/07/2012	IR	355.9	3	10	5.8994
GW	G 17562	G 18690		Harney	06/11/2012	IR , IS	2363	3	11	11.3399
GW	G 17571	G 17098		Harney	07/18/2012	IR	78.1	3	4	0.98
GW	G 17575	G 18086	96822	Harney	08/22/2012	IR	40.7	3	3	0.68
GW	G 17578	G 17100		Harney	08/30/2012	IR	320	3	2	4
GW	G 17581	G 17576	94195	Harney	08/31/2012	IR	636.37	3	6	10.606
GW	G 17583	G 17063		Harney	09/06/2012	IR	191.2	3	1	2.4
GW	G 17593	G 17674	93372	Harney	10/29/2012	IR	135	3	1	1.69
GW	G 17599	G 17248	94562	Harney	11/19/2012	IR	9.8	3	1	0.11
GW	G 17641	G 17153		Harney	03/26/2013	IR	80	3	1	1
GW	G 17644	G 17244		Harney	04/02/2013	IR , IS	271.4	3	4	4.52
GW	G 17646	G 17220	95976	Harney	04/12/2013	IR	71.1	3	1	0.89
GW	G 17649	G 17593	96330	Harney	04/12/2013	IR	80	3	3	1.3299
GW	G 17663	G 17209	94217	Harney	05/01/2013	IR	160	3	1	2.5
GW	G 17677	G 17928	96778	Harney	05/28/2013	IR , IS	305.3	3	3	5.0882
GW	G 17681	G 17216	91815	Harney	06/07/2013	IR	64.2	3	1	0.61
GW	G 17705	G 17317	95090	Harney	07/19/2013	IR	125.2	3	1	1.43
GW	G 17704	G 18170	94875	Harney	07/24/2013	IR	160	3	1	2.67
GW	G 17722	G 17373		Harney	09/23/2013	IR	395	3	3	4.89
GW	G 17743	G 17229	94246	Harney	12/09/2013	IR	59.7	3	1	0.75
GW	G 17744	G 17323	94852	Harney	12/16/2013	IR , IS	315.2	3	1	2.62
GW	G 17753	G 17486		Harney	01/13/2014	IR	309.8	3	1	3.87
GW	G 17751	G 17273	95267	Harney	01/17/2014	IR	126.2	3	1	2.1
GW	G 17776	G 17279		Harney	02/27/2014	IR	50	3	1	0.83
GW	G 17776	G 17279	95243	Harney	02/27/2014	IR	150	3	1	2.5
GW	G 17777	G 17375		Harney	02/28/2014	IR	160	3	2	2
GW	G 17791	G 18358	95596	Harney	03/10/2014	IR	160	3	1	2
GW	G 17799	G 17765		Harney	03/19/2014	IR	693	3	6	8.6598
GW	G 17916	G 18453	97086	Harney	09/02/2014	IR	648.3	3	3	8.1
GW	G 17940	G 17745	93787	Harney	09/23/2014	IR	101.95	3	2	0.61
GW	G 18129	G 18556		Harney	08/11/2015	IR	426	3	10	5.33
GW	G 16626	G 16150	96175	Harney	05/16/2005, 02/21/2006	IR	273.8	3	8	3.4199
GW	G 16626	G 16150	96175	Harney	05/16/2005, 02/21/2006	IR	273.8	3	8	3.4199
GW	G 16868	G 17943		Harney	05/23/2007, 05/25/2007, 06/23/2007	IR	354	3	17	4.3996
GW	G 16868	G 17943		Harney	05/23/2007, 05/25/2007, 06/23/2007	IR	354	3	17	4.3996
GW	G 9297	G 8909	63586	Harney	06/05/1980, 08/06/1980	DI			2	0.1003
GW	G 17257	G 18685		Harney	08/25/2009, 08/25/2020	IR	251.2	3	6	3.12
GW	G 17257	G 18686	96847	Harney	08/25/2009, 08/25/2020	IR	251.2	3	3	3.1198
GW	G 2109	G 2089		Harney	08/29/1961, 09/29/1961	IS	43.6	3	4	0.55



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WR_Type	Application	Permit	Certificate	County	Priority_Date	WR_Uses	POU_Acres_Total	Max_Duty	POD_Total	Max_Rate_Total (cfs)
GW	G 4279	G 4028	72171	Harney	09/10/1951, 11/27/1959, 03/15/1968	IR	44.3	3	1	0.55
GW	G 11105	G 10396	82154	Harney	09/29/1983, 01/09/1984	IR	270.2	3	3	3.279
GW	G 11114	G 10246	60746	Harney	09/30/1983, 11/16/1983	IR	182.8	3	1	2.28
GW	G 6362	G 5959	55572	Harney	12/05/1973, 09/23/1974	IS	222.7	3	1	2.78
GW	G 14888	G 18091	95197	Harney	12/22/1998, 03/12/1999	IR	246.4	3	13	3.0793

**Table 3: List of Harney Basin Groundwater Rights outside the OAR 690-512 GHVGAC**  
 (the rights are listed by priority date, oldest to youngest)

WR_Type	Application	Permit	Certificate	County	Priority_Date	WR_Uses	POU_Acres_Total	Max_Duty	POD_Total	Max_Rate_Total_cfs
GW	U 30	U 70	10146	Grant	06/09/1933	DO , IM			1	1.33
GW	U 31	U 71	10147	Harney	06/09/1933	IM			2	1.01
GW	U 107	U 111	13671	Harney	09/16/1936	DS			1	0.0267
GW	G 10873	G 10013	63713	Grant	01/27/1983	IR	135.7	3	1	1.7
GW	G 11478	G 10634	76274	Grant	04/21/1986	MU			1	0.8466
ST	R 75491		69602	Harney	01/01/1993	LV , WI			10	
GW	G 15329	G 15012		Grant	02/26/2001	IR	4		1	0.111
GW	G 17879	G 18832		Grant	06/19/2014	QM			5	3.9