

## **Draft Standards Determination Document**

### **Marys River Complex**

#### **Appendix L – Lentic Proper Functioning Condition and Water Resources Inventory Data**

This appendix includes a Lentic Proper Functioning Condition (PFC) assessment table, Water Resource Inventory table, Narratives for a portion of PFC assessments and water resources, and selected photos of lentic areas and water resources in support of the Standards Determination for the Stag Mountain Allotment. These data are presented in the following order:

Narrative Descriptions and photos of some water resources, lentic, and lotic riparian areas

Table L1 – PFC Assessments, Stag Mountain Allotment

Table L2 – Water Resources Inventory, Stag Mountain Allotment

## **Narrative Descriptions and pictures of some water resources and lentic riparian areas**

There are numerous water resources and riparian areas within the Stag mountain allotment and it is therefore impractical to include a description of each resource within this appendix. Instead, a sample of data including a narrative description, photos, and analysis are presented below. Sites are organized by Lentic PFC ID, and Water Resource Inventory (WRI) ID. Data for each area are available electronically and may be requested from the BLM.

### **Stag Mountain 42; N41 E58 20BCD**

Riparian area is about 0.12 acres in size and is supported by several spring sources. Two of these sources have measurable overland flow for a total of 2.8 gallons per minute (gpm). The springs are within an approximately 15 acre liberty pipe enclosure which has been in place since about 2006. Lentic assessments in 2004 and 2013 both rated the riparian area nonfunctional (NF). Assessment teams observed that in the past this spring complex had supported a much larger riparian area as evidenced by adjacent soils and vegetation along with the dependable high rate of flow from the spring. Long term grazing at this site has resulted in narrowing of the riparian area due to erosion of riparian soils and channelization of the spring outflow. This has resulted in a substantial loss in ability of the riparian area to retain water during periods of higher flow. The presence of riparian soils and vegetation is well below potential due to these hydrologic impacts along with long term effects of persistent grazing and hoof action. The site has shown some improvement due to installation of the enclosure, but riparian vegetation recovery has been slow due to heavy past impacts. In addition, the liberty pipe enclosure has been breached on occasion and cattle have not been completely excluded from the site.

Photo 1 - Riparian area assessed for the 2004 Stag Mountain 42 assessment. Large areas of bare soil are present along with little riparian vegetation.



Photo 2 – Repeat of Photo 1 taken as part of the 2013 Stag Mountain 42 assessment. More vegetation is present, but most of the vegetation seen is not riparian and therefore site stability is only minimally improved. Development of riparian vegetation and soils, and lateral expansion of the riparian area will take considerable time.



Photo 3 – Looking upstream at one of the spring sources during the 2013 Stag Mountain 42 assessment. The liberty pipe enclosure can be seen at the base of the cliff.



## Stag Mountain 41, N41 E58 20BCB

Riparian area is about 0.25 acres in size and is supported by a spring source which flows six gpm. Flow from Stag Mountain 42 may be resurfacing at Stag Mountain 41. The spring is in the same liberty pipe enclosure as Stag Mountain 42. This site was rated NF in 2004 but the 2013 team rated it as FARU. Heavy livestock impacts had resulted in large areas of bare soil in 2004, but not all of the riparian soils had eroded, and some stabilizing willows and herbaceous riparian plants remained. Following installation of the liberty pipe enclosure enough riparian vegetation returned to the site that the 2013 assessment team thought the site retained sufficient functionality to be rated as FAR.

Photo 4 - Riparian Area Assessed for the 2004 Stag Mountain 41 assessment. Large areas of bare soil are present due to cattle grazing and hoof action.



Photo 5 -Repeat of Photo 4 taken as part of the 2013 Stag Mountain 41 assessment. Much of the additional vegetation is not riparian, however riparian vegetation has improved sufficiently enough to improve site stability and reverse erosion.



Stag Mountain 81, N40 E57 02ACC

The area assessed is about 0.18 acres in size and is supported by an intermittent spring that was dry in 1980 and 2012, but flowed 0.03 gpm in 1993. This area is not likely riparian, but the team assessed it anyway because it has produced water in the past, and is mapped by the USGS as a spring. There are many other spring sources and riparian areas included in the Stag Mountain assessment with similar characteristics. This area was rated as FARNA because cattle have impacted the site in the past and may have impacted the riparian productivity of the site. This site could have easily been rated PFC, and several similar sites are rated as PFC because they are at or near their capability as a riparian site. Presence or absence of cattle or other activities within the control of the BLM appear to have little impact on the functionality of this and other similar sites with low riparian capability.

Photo 6 – Spring area N40 E57 02ACC inventoried in 1993 showing presence of some water but lack of riparian vegetation and considerable impacts from grazing and hoof action.



Photo 7 – Repeat of photo 5 showing area assessed for the 2012 Stag Mountain 81 assessment. Soils are completely dry and there is no riparian vegetation.



Stag Mountain 82, N40 E57 12 DDD

Riparian area is about 0.02 acres in size and is supported by a spring source that flows about two gpm. The spring is within a livestock exclosure and a portion of water produced by the spring is diverted into troughs outside the exclosure. The riparian area had been impacted heavily in the past but the assessment team indicated there was some new establishment of riparian vegetation of banks and rated the site FARU. It is possible that riparian area might be more extensive and the site might be more stable in the absence of the diversion, but this site has retained its functionality and is improving due to the livestock exclosure.

Photo 8– Spring area N40 E57 12 DDD inventoried in 1993 showing water diversion and exclosure.



Photo 9 – Area assessed for the 2012 Stag Mountain 82 assessment taken in the same general area as photo 8. Riparian vegetation and revegetation of banks is shown.



Stag Mountain 48, N41 E58 30DBA

Riparian area is about 0.11 acres in size and is supported by a spring source that flows about one gpm. A portion of water produced by the spring is diverted into a storage tank and livestock watering trough adjacent to the spring. This is an area of livestock concentration and therefore grazing and hoof action have affected riparian functionality. The site was rated as FARD in 2004 and NF in 2012. Large areas of bare ground are present, and sufficient vegetative diversity, composition, and vigor are not present. Notes recorded in 1980 indicate that the diversion and trough were present, and that livestock trampling was heavy, but that vegetation was still in good condition.

Photo 10 - Riparian Area Assessed for the 2004 Stag Mountain 48 assessment. Riparian soils in the area around the spring source have been eroded and compacted.



Photo 11 - Riparian Area Assessed for the 2004 Stag Mountain 48 assessment. Large areas of bare ground or upland vegetation are observed adjacent to the livestock watering troughs in areas that may have been riparian area in the distant past.



Stag Mountain 45, N41 E58 30ACA

Riparian area is about 2.9 acres in size and is supported by several spring sources with a combined flow of about two gpm. The lentic assessments in 2004 divided the site into three separate areas and rated two of the sites FARS and one of the sites NF. The 2013 assessment combined the area and rated it FARN. Assessment teams observed that in the past this spring complex had supported a much larger riparian area as evidenced by adjacent soils and vegetation along with the dependable high rate of flow from the spring. Long term grazing at this site has resulted in narrowing of the riparian area due to erosion of riparian soils and channelization of the spring outflow. This has resulted in a substantial loss in ability of the riparian area to retain water during periods of higher flow. The presence of riparian soils and vegetation is well below potential due to these hydrologic impacts along with long term effects of persistent grazing and hoof action. In each of the assessments the team was unable to determine a trend in functionality and it appears that the woody vegetation and rock at the site is preventing further degradation, but the continued impacts are high enough that recovery is not occurring. It appears that sheep use at this site is heavy which is common at several riparian sites at high elevations within the allotment. It appears that sheep are not only using these sites for watering, but are spending considerable time at the sites causing soil compaction and altering flow patterns.

Photo 12 - Riparian Area Assessed for the 2013 Stag Mountain 45 assessment. Stressed riparian vegetation and hoof action have destabilized and eroded riparian soils resulting in exposed rock at the surface. As a result, water is no longer stored and potential riparian area on the lower margins is no longer wet during dry periods.



Photo 13 - Riparian Area Assessed for the 2013 Stag Mountain 45 assessment. Stressed riparian vegetation and hoof action have destabilized and eroded riparian soils resulting in exposed rock at the surface. Instead of flowing laterally and watering a wide riparian area, water flows down the channel and may infiltrate into the ground more rapidly. Soils adjacent to the channel are dry and less stable than riparian soils.



Photo 14 – See comments for photo 13. Sheep use is seen clearly as aspens are devoid of leaves in the lower areas of their trunks.



Stag Mountain 19 N41 E58 21BAC

The riparian area consists of a small herbaceous meadow of about 0.62 acres in size. The spring source which feeds this meadow then trickles into a stream channel where it supports a string of willows. The riparian area was assessed in 2004 and rated as being in PFC. Vegetation is vigorous at the site and there was no record of gullyng or livestock related impacts.

Photo 15 – Riparian area assessed for the 2004 Stag Mountain 19 assessment.



Stag Mountain 32, N41 E58 21CDD

Riparian area is about 0.6 acres in size and is supported by a spring source that flows about 0.5 gpm. Vegetation consists of aspen and herbaceous riparian vegetation. Observers did not record any livestock related impacts and rated the area as being in properly functioning condition in 2004.

Photo 16 – Riparian area assessed for the 2004 Stag Mountain 32 assessment.



Photo 17 – Spring source for the area described in Photo 16.



**Stag Mountain Lotic Stations**

**Stag Mountain, East Fork Beaver Creek, Station 14**

East Fork Beaver Creek is a perennial system. The Riparian Condition Indices for station 14 was 44 % (fair) for 1978 and 63% (good) in 2009.

**Photo 18** – Downstream view from East Fork Beaver Creek station 14. Area assessed in 1978.



**Photo 19** – Repeat of photo 18 downstream view from station 14. Area assessed in 2007.



**Stag Mountain, Cabin Creek, Station 4**

East Fork Beaver Creek is a perennial system. The Riparian Condition Indices for station 4 was 55 % (fair) for 1978 and 62% (good) in 2010.

**Photo 20** – Upstream view from Cabin Creek Station 4. Area assessed in 1999.



**Photo 21** – Upstream view from Cabin Creek Station 4. Area assessed in 2008.



Figure L1 – PFC Assessments, Stag Mountain Allotment

2004				2012/2013				Riparian Area Size (acres)	Corresponding Water Resource Inventory ID
Assessment ID	Date	Rating	Causal Factor(s)	Assessment ID	Date	Rating	Causal Factor(s)		
				Stag Mountain 16A	9/10/2013	FARD	Livestock, limited capability	0.19	N41 E58 16BDD1
Stag Mountain 16	8/4/2004	PFC		Stag Mountain 16B	9/10/2013	FARD	Livestock, limited capability	0.04	N41 E58 16BDD
Stag Mountain 17	8/4/2004	PFC		Stag Mountain 17	9/10/2013	PFC		0.27	N41 E58 16BDC
Stag Mountain 18	8/4/2004	PFC						0.94	N41 E58 16CCD
Stag Mountain 19	8/4/2004	PFC						0.62	N41 E58 21BAC
Stag Mountain 20	8/4/2004	Nonfunctional	Livestock					0.20	N41 E58 21CAC
Stag Mountain 21	8/4/2004	FARD	Livestock, Drought, limited capability	Stag Mountain 21	9/10/2013	FARNA		2.37	N41 E58 32ACB
Stag Mountain 23	8/4/2004	FARD	Livestock	Stag Mountain 23	9/10/2013	FARD	Livestock, past development	1.59	N41 E58 32CDC
Stag Mountain 24	8/4/2004	FARD	Livestock, Drought	Stag Mountain 24	9/10/2013	FARNA	Livestock	0.67	N40 E58 05AAB
Stag Mountain 25	8/4/2004	FARD	Livestock, Road, drought					0.14	N41 E58 31DDA
Stag Mountain 26	8/4/2004	FARD	Livestock, Drought					0.25	N41 E58 32CBB1
Stag Mountain 27	8/4/2004	FARD	Livestock, Drought					0.25	N41 E58 32CBB2
Stag Mountain 28	8/4/2004	FARD	Livestock, Drought					0.03	N41 E58 31DAD
Stag Mountain 29	8/4/2004	FARD	Livestock, Drought					1.75	N40 E58 05BD
Stag Mountain 32	8/5/2004	PFC						0.58	N41 E58 21CDD
Stag Mountain 41	8/9/2004	Nonfunctional	Livestock, Road	Stag Mountain 41	9/11/2013	FARU	limited capability	0.25	N41 E58 20BCB
Stag Mountain 42	8/9/2004	Nonfunctional	Livestock	Stag Mountain 42	9/12/2013	Nonfunctional	Past Livestock use	0.12	N41 E58 20BCD
Stag Mountain 43	8/9/2004	FARD	Livestock	Stag Mountain 43	9/11/2013	FARD	Livestock	0.30	N41 E58 30AAC
Stag Mountain 44	8/9/2004	FARU	Livestock	Stag Mountain 44	9/11/2013	FARD	Livestock	0.47	N41 E58 30AAD1
Stag Mountain 45	8/9/2004	FARS	Livestock	Stag Mountain 45	9/11/2013	FARNA	Livestock, road	2.89	N41 E58 30ACA
Stag Mountain 46	8/9/2004	FARS	Livestock						
Stag Mountain 47	8/9/2004	NF	Livestock						
Stag Mountain 48	8/9/2004	FARD	Livestock	Stag Mountain 48	9/11/2013	Nonfunctional	Livestock, road, diversion	0.11	N41 E58 30DBA
Stag Mountain 49	8/9/2004	NF	Livestock, Road	Stag Mountain 49	9/11/2013	Nonfunctional	Livestock, Road	0.04	N41 E58 30ACC
Stag Mountain 54	8/26/2004	Nonfunctional	Livestock, Drought, limited capability					0.20	N41 E57 14BAA
Stag Mountain 55	8/26/2004	FARD	Livestock, Drought					0.19	N41 E57 03AAA
Stag Mountain 56	8/26/2004	FARD	Livestock					0.62	N41 E57 03BAA
Stag Mountain 57	8/26/2004	FARD	Livestock					1.64	N41 E57 03BAC
Stag Mountain 58	8/26/2004	FARD	Livestock					0.88	N41 E57 09AAD
				Stag Mountain 60	10/8/2012	FARNA	Livestock	0.48	N42 E58 29BCA
				Stag Mountain 61	10/8/2012	PFC		0.52	N42 E58 31 BA
				Stag Mountain 62	10/8/2012	FARD	Livestock	0.85	N42 E58 31 BB
				Stag Mountain 65	10/8/2012	PFC		0.18	N41 E58 08DD
				Stag Mountain 66	10/8/2012	FARNA	Livestock	0.03	N41 E57 14DAC
				Stag Mountain 67	10/8/2012	FARD	Livestock	0.10	N41 E57 22AA
				Stag Mountain 68	10/9/2012	PFC		0.13	N40 E58 16ADB
				Stag Mountain 69	10/9/2012	FARNA	Livestock	0.21	N40 E58 16DBB
				Stag Mountain 70	10/9/2012	FARD	Livestock	0.64	N40 E58 09CDA
				Stag Mountain 71A	10/9/2012	FARD	Livestock	0.31	N40 E58 15CC

2004				2012/2013				Riparian Area Size (acres)	Corresponding Water Resource Inventory ID
Assessment ID	Date	Rating	Causal Factor(s)	Assessment ID	Date	Rating	Causal Factor(s)		
				Stag Mountain 72	10/16/2012	FARD	Livestock	0.04	N41 E58 17CA
				Stag Mountain 73A	10/17/2012	FARD	Livestock	0.22	N40 E57 01DCB
				Stag Mountain 75A	10/17/2012	PFC		0.31	N40 E58 06CDB
				Stag Mountain 75B	10/17/2012	PFC		0.31	N40 E58 06CDB
				Stag Mountain 75CD	10/17/2012	PFC		0.31	N40 E58 06CDB
				Stag Mountain 75E	10/17/2012	PFC		0.31	N40 E58 06CDB
				Stag Mountain 76	10/17/2012	PFC		0.06	N40 E58 07ACB
				Stag Mountain 77A	10/17/2012	FARD	Livestock	0.22	N40 E58 08BBB2
				Stag Mountain 78B	10/17/2012	FARD	Livestock	0.00	N40 E58 08BBB1
				Stag Mountain 79	10/17/2012	PFC		0.11	N40 E57 01AC
				Stag Mountain 80A	10/17/2012	PFC		0.27	N40 E57 02ADC
				Stag Mountain 80B	10/17/2012	PFC		0.27	N40 E57 02ADC
				Stag Mountain 81	10/17/2012	FARNA	Livestock, limited capability	0.18	N40 E57 02ACC
				Stag Mountain 82	10/18/2012	FARU	Livestock, Past livestock use	0.02	N40 E57 12DDD
				Stag Mountain 83	10/18/2012	FARD	Livestock	0.02	N40 E58 07CAC
				Stag Mountain 84	10/18/2012	FARD	Livestock	0.03	N40 E57 12ADB
				Stag Mountain 85	10/18/2012	PFC		0.16	N40 E57 12DB
				Stag Mountain 86	9/5/2013	FARNA	Livestock	0.14	N40 E58 09CB
				Stag Mountain 88	9/11/2013	PFC		1.02	N41 E58 30DDB
				Stag Mountain 89	9/11/2013	FARNA	Livestock	0.30	N41 E58 30ACA
				Stag Mountain 90	9/12/2013	PFC		0.13	N41 E58 20CCC1
				Stag Mountain 91	9/12/2013	FARU	Livestock	0.08	N41 E58 20CCC1B
				Stag Mountain 92	9/12/2013	FARD	Livestock	0.50	N41 E58 20CBD
				Stag Mountain 93	9/12/2013	Nonfunctional	limited capability, roads	0.08	N41 E58 20CBB
				Unallotted 14	10/15/2012	PFC		0.32	N40 E57 15ADD

PFC = proper functioning condition; FARNA = functional at risk trend not apparent; FARU = functional at risk trend upward; FARD functional at risk trend downward;

NF = nonfunctional

**Figure L2 – Water Resource Inventory, Stag Mountain Allotment**

Water Resource Inventory ID	Water Source Type	Water Status	Part of spring Complex	Lentic PFC Assessment ID	Estimated or measured Flow Rate in gallons per minute*			
					1980s	1990s	2000s	2010s
N40 E57 01AC	Spring	Intermittent		Stag_Mountain_79				0
N40 E57 01DAA	Spring	Perennial		Stag_Mountain_74	0.1			
N40 E57 01DCB	Spring	Perennial		Stag_Mountain_73	0.5			0.5
N40 E57 02ACC	Spring	Intermittent		Stag_Mountain_81	0	0.03		0
N40 E57 02ADC	Seep	Intermittent		Stag_Mountain_80	0	0		0
N40 E57 12ADB	Spring	Perennial		Stag_Mountain_84	0.01			0.1
N40 E57 12DB	Spring	Intermittent		Stag_Mountain_85				0
N40 E57 12DDD	Spring	Perennial		Stag_Mountain_82	1.5	0.9		4
N40 E57 15ADD	Spring	Perennial		Unallotted_14	0.25			0.75
N40 E58 05AAB	Spring	Perennial		Stag Mountain 24	0.5			0.75
N40 E58 05BAC1	Spring subcomplex	Intermittent	N40 E58 05BD		0.1			
N40 E58 05BAC2	Spring subcomplex	Intermittent	N40 E58 05BD		0.1			
N40 E58 05BB	Spring Complex	Intermittent						
N40 E58 05BBB1	Spring subcomplex	Intermittent	N40 E58 05BB		0.1			
N40 E58 05BBB2	Spring subcomplex	Intermittent	N40 E58 05BB		0.1			
N40 E58 05BBC	Spring subcomplex	Intermittent	N40 E58 05BB		0.1			
N40 E58 05BD	Spring complex	Perennial		Stag Mountain 29				
N40 E58 05BDA1	Spring subcomplex	Perennial	N40 E58 05BD	Stag Mountain 29	1			
N40 E58 05BDA2	Spring subcomplex	Intermittent	N40 E58 05BD	Stag Mountain 29	0.1			
N40 E58 05BDAA	Spring subcomplex		N40 E58 05BD	Stag Mountain 29		0.2		
N40 E58 05BDAD	Spring subcomplex		N40 E58 05BD	Stag Mountain 29		12		
N40 E58 06CD	Spring complex	Intermittent		Stag_Mountain_75				
N40 E58 06CDB	Spring subcomplex	Intermittent	N40 E58 06CD	Stag_Mountain_75	0.1			
N40 E58 06CDC1	Spring subcomplex	Intermittent	N40 E58 06CD	Stag_Mountain_75	0.1			
N40 E58 06CDC2	Spring subcomplex	Intermittent	N40 E58 06CD		0.1			
N40 E58 06CDC3	Spring subcomplex	Intermittent	N40 E58 06CD		0.1			
N40 E58 06CDD	Spring subcomplex	Intermittent	N40 E58 06CD	Stag_Mountain_75	0.1			
N40 E58 07ACB	Spring	Perennial		Stag_Mountain_76	0.1			1
N40 E58 07CAC	Spring	Perennial		Stag_Mountain_83	1.25			1
N40 E58 08BBB	Spring Complex	Perennial		Stag_Mountain_77				1
N40 E58 08BBB1	Spring subcomplex	Perennial	N40 E58 08BBB	Stag_Mountain_78B		1.25		
N40 E58 08BBB2	Spring subcomplex	Perennial	N40 E58 08BBB	Stag_Mountain_77		0.17		
N40 E58 09CB	Spring	Perennial		Stag Mountain_86				5
N40 E58 09CDA	Spring	Perennial		Stag_Mountain_70		2		5
N40 E58 16DBB	Spring	Intermittent		Stag_Mountain_69	0			0
N41 E57 03AAA	Spring	Intermittent		Stag Mountain 55	0			

Water Resource Inventory ID	Water Source Type	Water Status	Part of spring Complex	Lentic PFC Assessment ID	Estimated or measured Flow Rate in gallons per minute*			
					1980s	1990s	2000s	2010s
N41 E57 03ABA	Spring	Intermittent			0.2			
N41 E57 03BAA	Spring	Perennial		Stag Mountain 56	0.25			
N41 E57 03BAC	Spring	Perennial		Stag Mountain 57				
N41 E57 09AAD	Spring	Intermittent		Stag Mountain 58	0.25			
N41 E57 13BAC	Spring	Intermittent			0			
N41 E57 14BAA	Spring	Intermittent		Stag Mountain 54	0			
N41 E57 14DAC	Spring	Perennial		Stag_Mountain_66	0			0
N41 E57 14DCA	Seep	Intermittent				0		
N41 E57 22AA	Spring	Perennial		Stag_Mountain_67				0
N41 E58 08DD	Spring	Intermittent		Stag_Mountain_65				0
N41 E58 16BDC	Pond	Perennial		Stag Mountain 17				0.4
N41 E58 16BDD	Pond complex	Perennial		Stag Mountain 16B				
N41 E58 16BDD1	Pond subcomplex	Perennial	N41 E58 16BDD	Stag Mountain 16A				2
N41 E58 16BDD2	Pond subcomplex	Perennial	N41 E58 16BDD	Stag Mountain 16				0.5
N41 E58 17CA	Spring	Intermittent		Stag_Mountain_72				
N41 E58 20AD	Spring	Perennial						
N41 E58 20BB	Pond	Intermittent						
N41 E58 20BCB	Spring	Perennial		Stag Mountain 41				6
N41 E58 20BCD	Seep	Perennial		Stag Mountain 42				2.8
N41 E58 20CCC1	Spring complex	Perennial		Stag Mountain 90				2
N41 E58 20CCC1A	Spring subcomplex	Perennial	N41 E58 16BDD	Stag Mountain 90				3
N41 E58 20CCC1B	Spring subcomplex	Perennial	N41 E58 16BDD	Stag Mountain 91				
N41 E58 20DC1	Spring	Intermittent						
N41 E58 20DC2	Spring	Intermittent						
N41 E58 20DCA	Spring	Perennial			2			
N41 E58 21BAC	Spring	Perennial		Stag Mountain 19				
N41 E58 21CAC	Spring	Intermittent		Stag Mountain 20	0.1			
N41 E58 21CDD	Spring	Perennial		Stag Mountain 32	0.75	0.3		
N41 E58 21DAA	Pond	Intermittent				0		
N41 E58 21DDB	Pond	Intermittent						
N41 E58 29DBA	Spring	Intermittent			0.1			
N41 E58 30AAC	Spring	Perennial		Stag Mountain 43		3.5		2
N41 E58 30AAD1	Spring	Intermittent		Stag Mountain 44	0.1			3.3
N41 E58 30ACA	Spring complex	Perennial		Stag Mountain 45				
N41 E58 30ACA1	Spring subcomplex		N41 E58 30ACA	Stag Mountain 45		8		
N41 E58 30ACA2	Spring subcomplex		N41 E58 30ACA	Stag Mountain 45		0.8		
N41 E58 30ACA3	Spring subcomplex		N41 E58 30ACA	Stag Mountain 45		0.5		
N41 E58 30ACA4	Spring subcomplex	Perennial	N41 E58 30ACA	Stag Mountain 89				1.5
N41 E58 30ACA5	Spring subcomplex	Perennial	N41 E58 30ACA	Stag Mountain 45				0.25
N41 E58 30ACA6	Spring subcomplex	Perennial	N41 E58 30ACA	Stag Mountain 45				0.25
N41 E58 30ACC	Spring	Intermittent		Stag Mountain 49	0.1			0.1

Water Resource Inventory ID	Water Source Type	Water Status	Part of spring Complex	Lentic PFC Assessment ID	Estimated or measured Flow Rate in gallons per minute*			
					1980s	1990s	2000s	2010s
N41 E58 30DBA	Spring	Perennial		Stag Mountain 48	1	0.67		
N41 E58 30DDA	Spring	Intermittent				12		0
N41 E58 30DDB	Spring	Intermittent		Stag Mountain 88		3		
N41 E58 31DAD	Spring	Perennial		Stag Mountain 28				
N41 E58 31DCC1	Spring	Intermittent			0.1			
N41 E58 31DCC2	Spring	Intermittent			0.1			
N41 E58 31DDA	Spring	Perennial		Stag Mountain 25	2			
N41 E58 31DDB	Spring	Intermittent			0.1			
N41 E58 32ACB	Spring	Intermittent		Stag Mountain 21	0.1			0
N41 E58 32BCC	Spring	Intermittent			0.1			
N41 E58 32CBB1	Spring	Perennial		Stag Mountain 26			1	
N41 E58 32CBB2	Spring	Perennial		Stag Mountain 27				
N41 E58 32CCC1	Spring	Intermittent			0.1			
N41 E58 32CCC2	Spring	Intermittent			0.1			
N41 E58 32CDC	Spring	Perennial		Stag Mountain 23	1.2		3	
N42 E57 25AAD	Pond	Intermittent						
N42 E57 25DDD	Pond	Intermittent						
N42 E58 29BCA	Spring	Perennial		Stag_Mountain_60		1.25		0
N42 E58 30DCC	Pond	Intermittent						
N42 E58 31 BA	Pond	Intermittent		Stag_Mountain_61				
N42 E58 31 BB	Pond	Intermittent		Stag_Mountain_62				
N42 E58 32DC	Pond	Intermittent		Stag Mountain 59				