

TABLE 1. Documented *Astragalus oophorus* var. *clokeyanus* sites, all in Clark and Nye counties, Nevada.

site	MAP fig.	Source, Year*	Site name; map quadrangle County; survey location	Est. Acres	Elevation Range (ft)	Est. Plants Plants/acre	Threats ***	Management**
HISTORICAL SITES REDISCOVERED OR RECENTLY KNOWN EXTANT								
3	2	ht 1993	Gary Abbott Campground; Charleston Peak Clark Co.; T19S R56E S15 NW of SW of NW	.10	9005	21 210	bcfgy*	f
4	2	ht 1994	Pipeline Ridge; Charleston Peak Clark Co.; T19S R56E S10 SE of NE , E of SE	14.37	8400-8660	158 11.0	c*dfgr*u	f+p?
5	8	t 1993	Wheeler Pass; Willow Peak Clark Co.; T18S R55E S15 NW of SW of NW	.10	7745	12 120	bcf*o	f+l?
6	2	t 1994	Bristlecone Trail; Charleston Peak Clark Co.; T19S R56E S15 S of NE of NW	.10	8815	17 170	bcfgy*	f
7	2 f2-4,6	fht 2001	Ski Lee; Charleston Peak Clark Co.; T19S R56E S15 C of N	2.89	8690-8800	1367 473	c*dfksu*z	f
8	7	ft 2001	McFarland Spring; Cold Creek Clark Co.; T18S R55E S13,24	.20	8385-8545	198 990	c*f	f+l?
10	9	t 1993	Upper Wheeler Well Road; Willow Peak Clark Co.; T18S R55E S18 C of SE	.10	6820	1 10.0	bcfgo	f+l?
11	9	t 1993	Upper Wheeler Well Road; Willow Peak Clark Co.; T18S R55E S18 C of SE of NE	.10	6925	5 50.0	bcfgor*	f+l?
12	9	t 1994	Guzzler SE; Willow Peak Clark Co.; T18S R54E S12 NE of NE of SE	.10	6835	1 10.0	bcfgo	f+l?
13	9	t 1994	Guzzler; Willow Peak Clark Co.; T18S R54E S12 SW of SE of NE	.10	6810	1 10.0	bcfgo	f+l?
14	5	f 1995	Clark Canyon; Charleston Peak Clark Co.; T19S R56E S7 NW of NW	.10	8125	100 1000	cdfir*	flp
15	17 f5	bt 1996	Indian Spring; Wheelbarrow Peak Nye Co.; T6S R53E S6	.10	6410	18 180	bgoprw	d
16	18 f7	hnt 1997	Cliff Spring; Belted Peak Nye Co.; T5S R53E S8,17	.30	6780-7200	>10 33.3+	bgopr*w	d
18	12	bh 1997	Split Ridge; Ammonia Tanks Nye Co.; T8/9S R51E S29-32/6	94.08	6505-7120	448 4.76	fopr*	e
19	16	b 1997	Lambs Canyon; Dead Horse Flat Nye Co.; T7/8S R51E S34/3	25.61	6340-6725	201 7.85	fopr*	d+e?
20	14,15	b 1997	Southern Bench; Quartet Dome Nye Co.; T7S R52E S29 SW	5.05	6520-6800	69 13.7	fps	d+e?
21	12	b 1997	South Silent Canyon; Ammonia Tanks Nye Co.; T8S R51E S30 NW of SE	3.01	7320-7420	200 66.4	fpv*	e
22	15	b 1997	Gritty Gulch; Quartet Dome/Dead Horse Flat Nye Co.; T8S R51E S2 NW of SE	4.26	6825-6940	101 23.7	fop	d+e?
23	15	b 1997	Kawich Canyon SW; Quartet Dome Nye Co.; T8S R51E S1 C of W of W	2.28	6640-6755	85 37.3	fp	d+e?
24	14,15	b 1997	Kawich Canyon; Quartet Dome Nye Co.; T7/8S R52E S31/6	8.12	6180-6300	>500 61.6+	fopr*	d+e?
25	15	b 1997	Kawich Canyon East; Quartet Dome Nye Co.; T8S R52E S6 NE	7.06	6440-6585	>206 29.2+	fp	d+e?
26	13	bhn 1998	Captain Jack Springs; Rainier Mesa Nye Co.; T9S R52E S10 C	23.12	5365-5820	27 1.17	bgopr*wy*	e
27	13	b 1998	Tongue Wash; Rainier Mesa Nye Co.; T9S R52E S9 NE	10.09	5910-6020	>135 13.4+	gp	e
28	11	b 1998	East Cat Canyon; Timber Mountain Nye Co.; T10S R50E S19 W	31.14	5950-6140	>300 9.63+	opr*	e

Table 1, known sites, continued

site	MAP fig.	Source, Year*	Site name; map quadrangle County; survey location	Est. Acres	Elevation Range (ft)	Est. Plants Plants/acre	Threats ***	Management**
29	11	b 1998	Timber Mountain; Timber Mountain Nye Co.; T10S R49E S12 SE of SE	3.02	6600-6700	>100 33.1+	p	d
30	10	b 1998	Shoshone Peak; Topopah Spring Nye Co.; T11S R51E S26 C of E of W	14.40	6175-6440	>115 7.99+	fopr*	e
31	14,15	b 1997	Kawich Canyon West; Quartet Dome Nye Co.; T7S R51E S36 C of S	6.79	6405-6470	>1	fp	d+e?
32	14	b 1997	Southern Bench NE; Quartet Dome Nye Co.; T7S R52E S29 C	2.94	6320-6400	31 10.5	fps	d+e?
28	=== HISTORIC SUBTOTAL ===			259.63	5365-9005	>4428 17.1+	bc*df*gkop r*su*wy*z	deflp
NEW SITES DISCOVERED								
17	18	nt 1997	Cliff Spring N; Belted Peak Nye Co.; T5S R53E S4,5	.30	7090-7240	>15 60.0	bgopr*	d
1	=== NEW <i>A. OOPHORUS CLOKEYANUS</i> SITES ===			.30	7090-7240	>15 60.0	bgopr*	d
29	= GLOBAL <i>A. OOPHORUS CLOKEYANUS</i> POPULATION =			259.93	5365-9005	>4443 17.1+	bc*df*gkop r*su*wy*z	deflp
HISTORICAL SITES WHERE PRESENT STATUS UNKNOWN								
1	2	h 1942	Lee Canyon; Charleston Peak Clark Co.; T19S R56E S2 NW of SW		8200	1+	cdforuw	f?p?
2	8	h 1970	Old Wheeler Pass Road; Wheeler Well Clark Co.; T18S R55E S20 SW of SE of NE		6800	1	bcfgor*	f+1?
9	7	h 1985	Willow Spring; Willow Peak Clark Co.; T18S R55E S2 SE of SE of NE		6235	1+	cfgor	f

MAP/fig.: X = map number(s) in Appendix 3, fX = figure number(s) in Appendix 2.

* Year: year most recently documented. Source: **b**: Bechtel Nevada / DOE surveys (1996-1998); **f**: Humboldt-Toiyabe National Forest spot survey (1995); **h**: Historical records; **n**: Nevada Natural Heritage Program surveys (1992-1998); **t**: The Nature Conservancy / DOD (1993-1997).

** Land Management (with approximate % of total known population): **d**: Department of Defense, Nellis Air Force Range (42.0%); **e**: Department of Energy, Nevada Test Site (23.3%); **f**: Humboldt-Toiyabe National Forest, Spring Mountains National Recreation Area (33.5%); **i**: Mount Charleston Wilderness Area (part of National Forest; 1.2% of total); **p**: private/municipal/county (1.2%). Symbols between + and ? are uncertain but possible.

*** Threats: **b**: biological (extreme rarity); **c**: recreational use; **d**: urban / residential development; **e**: electronic site development / maintenance; **f**: fire and fire suppression activities or effects; **g**: grazing / trampling by domestic or feral animals; **k**: declines in pollinator or other interactor populations; **o**: off-road vehicle use; **p**: public purpose uses (military, nuclear testing, etc.); **r**: road development / maintenance; **s**: erosion; **u**: utility corridor development / maintenance; **w**: water development / diversion; **y**: herbivory by undomesticated and non-feral animals; **z**: hazardous waste or other toxic effects; *: significant near-term impacts present or anticipated.

TABLE 2. Sites searched where unoccupied by *Astragalus oophorus* var. *clokeyanus*.

site	MAP	Source, Year*	Site name; map quadrangle County; survey location	Est. Acres	Elevation Range (ft)	Threats ***	Management**
U1	8	nt 1994	Wheeler Well; Wheeler Well Clark Co.; T18S R55E S20-21/28-29	140.35	6700-7020	cfgr*	f
U2	8	n 1992	Wheeler Pass Road E; Wheeler Well Clark Co.; T18S R55E S22	37.65	7465-7790	c*fgor*	f
U3	8	n 1992	Wheeler Pass; Willow Peak Clark Co.; T18S R55E S15-16	23.84	7610-8335	c*f*go*r*	fl
U4	2	nt 1994	Foxtail Canyon; Charleston Peak Clark Co.; T19S R56E S10-11/14	178.44	8335-9320	c*d*fr*u	flp
U5	6	n 1992	Deer Creek N Fork; Angel Peak/Charleston Peak Clark Co.; T19S R57E S6-7	27.39	8270-8580	c*dfr*	f+p?
U6	3	n 1992	Kyle Canyon; Charleston Peak Clark Co.; T19S R56E S26	22.99	7785-8430	cfr*	f+p?
U7	12	b 1997	Falcon Canyon; Ammonia Tanks Nye Co.; T9S R51E S5-6	116.25	6000-6764	fp	e
U8	12	b 1997	Split Ridge; Ammonia Tanks Nye Co.; T8S R51E S30	34.16	6910-7480	efopr*u	e
U9	16	b 1997	Lambs Canyon; Dead Horse Flat Nye Co.; T7/8S R51E S27/33-34/3-4	130.52	6275-6745	fopr*	d+e?
U10	14,15	b 1997	Southern Bench; Quartet Dome Nye Co.; T7S R52E S20/29-32	115.54	6010-6870	fp	d+e?
U11	14,15	b 1997	Gritty Gulch; Quartet Dome/Dead Horse Flat Nye Co.; T7/8S R51/52E S35-36/31/1-2/6	299.98	6105-6980	fop	d+e?
U12	9	t 1994	Guzzler; Willow Peak Clark Co.; T18S R54/55E S12/7	61.03	6760-7130	c*fgor*	fl
U13	14,15	b 1997	Kawich Canyon east; Quartet Dome Nye Co.; T8S R52E S6-8	79.48	6175-6700	fopr*	d+e?
U14	19	bn 1997	Cedar Pass; Cedar Pass Nye Co.; T2S R50/51E S25/36/29-32	154.96	6860-7250	fgopr*u*	d
U15	7	t 1994	Willow Spring; Willow Peak Clark Co.; T18S R55E S1-2	20.02	6100-6285	cfr*	f
U16	9	t 1993	Upper Wheeler Well Road; Willow Peak Clark Co.; T18S R55E S18 SE	21.26	6810-6910	cfgr*	fl
U17	9	t 1993	Upper Wheeler Well Road; Willow Peak Clark Co.; T18S R55E S18 W	66.25	6925-7055	cfgr*	fl
U18	2	t 1993	McWilliams Campground; Charleston Peak Clark Co.; T19S R56E S9-10/15	128.37	8630-9020	c*dfr*u	f
U19	3	t 1993	Mary Jane/Big Falls; Charleston Peak Clark Co.; T19S R56E S22-23/27	58.30	8340-8760	cfr*	fl+p?
U20	3	t 1993	Trail Canyon; Charleston Peak Clark Co.; T19S R56E S13-14/23-24	122.47	9020-10000	c*	fl+p?
U21	4	t 1993	Wallace Canyon; Charleston Peak Clark Co.; T19S R56E S19-20/29	150.65	7740-9515	cr*	fl
21 sites			=== TOTAL UNOCCUPIED SITES ===	1989.90	6000-10000	c*d*ef*go*pr*u*	deflp

MAP: map number(s) in Appendix 3.

* Year: year most recently identified. Source: **b**: Bechtel Nevada / DOE surveys (1996-1998); **n**: Nevada Natural Heritage Program surveys (1992-1998); **t**: The Nature Conservancy / DOD (1993-1997). Sites U18-U21 were approximately mapped based on written descriptions of the areas searched.

** Land Management, *** Threats: see table 1.

TABLE 3. Vascular plant taxa observed or reported at selected sites searched for *Astragalus oophorus* var. *clokeyanus*, indicated with + where present (based mostly on Anderson 1998). **Boldfaced taxa** occur at more than 40% of total sites assessed. Nomenclature generally follows the *Jepson Manual* (Baldwin *et al.* 2002, Hickman 1993), *Flora of North America* (1993-2000), or *Intermountain Flora* (Barneby 1989; Cronquist 1994; Cronquist *et al.* 1972, 1977, 1984, 1997). Site numbers are from Table 1.

	Spring Mountains	Indian Spring, Belted Range	Pahute Mesa	Southern Belted Range	Eleana Range	Timber Mountain	Shoshone Mountains
Elevation Range (ft):	6810-9005	6410	6505-7420	6180-6940	5365-6020	5950-6700	6175-6440
Site Numbers:	3-8,10-14	15	18,21	19-20,22-25,31	26-27	28-29	30
TREES	+	+	+	+	+	+	+
<i>Juniperus osteosperma</i>	+	+	+	+	+	+	+
<i>Pinus monophylla</i>	+	+	+	+	+	+	+
<i>Pinus ponderosa scopulorum</i>	+						
<i>Quercus gambelii</i>		+		+	+		+
SHRUBS	+	+	+	+	+	+	+
<i>Amelanchier utahensis</i>							+
<i>Artemisia nova</i>			+	+	+		
<i>Artemisia tridentata</i>	+	+	+	+	+	+	+
<i>Ceanothus greggii vestitus</i>							+
<i>Cercocarpus ledifolius intermontanus</i>				+			
<i>Chrysothamnus viscidiflorus puberulus</i>				+			+
<i>Chrysothamnus viscidiflorus viscidiflorus</i>			+	+	+		
<i>Coleogyne ramosissima</i>					+		
<i>Ephedra viridis</i>			+	+		+	+
<i>Ericameria nauseosa leiosperma</i>				+			
<i>Ericameria nauseosa hololeuca</i>	+						
<i>Eriogonum microthecum simpsonii</i>					+		+
<i>Gutierrezia sarothrae</i>		+					
<i>Leptodactylon pungens</i>			+	+		+	
<i>Purshia stansburiana</i>				+			+
<i>Purshia tridentata</i>				+	+		
<i>Ribes cereum cereum</i>				+			
<i>Salvia dorrii dorrii</i>			+				
<i>Symphoricarpos longiflorus</i>				+	+		
<i>Tetradymia axillaris axillaris</i>					+		
<i>Tetradymia canescens</i>						+	
<i>Tetradymia glabrata</i>							+
SUCCULENTS (NONE)							
GRAMINOIDS	+		+	+	+	+	+
<i>Achnatherum hymenoides</i>				+			
<i>Achnatherum speciosum</i>				+			
<i>Achnatherum thurberianum</i>						+	

Table 3, plants observed, continued

	Spring Mountains	Indian Spring, Belted Range	Pahute Mesa	Southern Belted Range	Eleana Range	Timber Mountain	Shoshone Mountains
Elevation Range (ft):	6810-9005	6410	6505-7420	6180-6940	5365-6020	5950-6700	6175-6440
Site Numbers:	3-8,10-14	15	18,21	19-20,22-25,31	26-27	28-29	30
<i>Aristida purpurea</i>							+
** <i>Bromus rubens</i>					+		
** <i>Bromus tectorum</i>			+	+	+		+
<i>Elymus elymoides elymoides</i>	+		+	+	+	+	
<i>Koeleria macrantha</i>				+			
<i>Leymus cinereus</i>						+	
<i>Pleuraphis jamesii</i>					+		
<i>Poa fendleriana</i>	+			+		+	+
<i>Poa secunda</i>			+	+	+	+	+
NON-GRAMINOID PERENNIAL HERBS	+	+	+	+	+	+	+
<i>Arabis pulchra gracilis</i>							+
<i>Arenaria congesta subcongesta</i>				+		+	
<i>Argemone corymbosa</i>							+
<i>Astragalus calycosus calycosus</i>				+			
<i>Astragalus lentiginosus</i> var.			+	+			
<i>Astragalus oophorus clokeyanus</i>	+	+	+	+	+	+	+
<i>Astragalus purshii tinctus</i>			+			+	+
<i>Calochortus flexuosus</i>				+			
<i>Castilleja applegatei</i>			+			+	+
<i>Castilleja linariifolia</i>				+			
<i>Chaenactis douglasii douglasii</i>					+		+
<i>Crepis occidentalis occidentalis</i>						+	+
<i>Cryptantha humilis</i>				+			
<i>Cryptantha virginensis</i>			+			+	
<i>Delphinium parishii parishii</i>							+
<i>Dichelostemma pulchellum</i>						+	+
<i>Erigeron concinnus concinnus</i>			+	+			
<i>Erigeron divergens</i>						+	
<i>Eriogonum caespitosum</i>				+	+	+	+
<i>Eriogonum ovalifolium ovalifolium</i>				+	+	+	
<i>Eriogonum racemosum</i>				+		+	
<i>Eriogonum umbellatum dichrocephalum</i>	+			+			
<i>Heliomeris multiflora nevadensis</i>				+	+		
<i>Hesperostipa comata comata</i>				+			
<i>Hymenoxys cooperi cooperi</i>	+						
<i>Lewisia rediviva minor</i>						+	
<i>Lesquerella kingii kingii</i>				+			
<i>Linanthus nuttallii nuttallii</i>	+						

Table 3, plants observed, continued

	Spring Mountains	Indian Spring, Belted Range	Pahute Mesa	Southern Belted Range	Eleana Range	Timber Mountain	Shoshone Mountains
Elevation Range (ft):	6810-9005	6410	6505-7420	6180-6940	5365-6020	5950-6700	6175-6440
Site Numbers:	3-8,10-14	15	18,21	19-20,22-25,31	26-27	28-29	30
<i>Lomatium nevadense nevadense</i>				+		+	+
<i>Lupinus argenteus laxiflorus</i>			+	+			
<i>Lupinus aridus</i>							+
<i>Machaeranthera canescens canescens</i>							+
<i>Orobancha corymbosa</i>					+		
<i>Orobancha fasciculata</i>						+	
<i>Pedicularis semibarbata charlestonensis</i>	+						
<i>Penstemon eatonii</i>	+						
<i>Penstemon floridus austinii</i>				+		+	
<i>Penstemon humilis humilis</i>				+		+	
<i>Penstemon palmeri palmeri</i>		+					
<i>Penstemon pahutensis</i>				+			+
<i>Phlox longifolia</i>				+		+	+
<i>Physaria chambersii</i>							+
<i>Senecio multilobatus</i>			+	+			
<i>Sphaeralcea ambigua ambigua</i>							+
<i>Stephanomeria pauciflora</i>				+			
<i>Streptanthus cordatus cordatus</i>			+	+	+	+	
NON-GRAMINOID ANNUALS/BIENNIALS				+	+	+	+
<i>Amsinckia tessellata</i>					+		
<i>Chenopodium incanum</i>				+			
<i>Cryptantha gracilis</i>				+		+	
<i>Descurainia pinnata glabra</i>				+			+
<i>Eriastrum eremicum</i>				+			
<i>Eriogonum esmeraldense esmeraldense</i>				+			
<i>Gilia brecciarum brecciarum</i>				+			+
<i>Linanthus dichotomus</i>							+
<i>Mentzelia veatchiana</i>							+
<i>Microsteris gracilis humilior</i>						+	+
<i>Mimulus suksdorfii</i>						+	+
<i>Phacelia curvipes</i>							+
<i>Phacelia fremontii</i>						+	+
<i>Phacelia saxicola</i>							
<i>Phacelia vallis-mortae vallis-mortae</i>				+		+	
<i>Syntrichopappus fremontii</i>							+

** indicates non-indigenous taxa.

TABLE 4. Status of other endangered, threatened, and sensitive species documented in and near the geographic range of *Astragalus oophorus* var. *clokeyanus*.

TAXON NAME		AGENCY STATUS					NV HERITAGE PROGRAM RANKS	
Scientific	Vernacular	Federal			NV	NN PS	Global	State
		FWS	BLM	FS				
ANIMALS								
<i>Antrozous pallidus</i>	pallid bat			S			5	3B
<i>Chlosyne acastus robusta</i> *	Spring Mountains acastus checkerspot		S				1	1
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat		S	S			4	3B
<i>Empidonax traillii extimus</i>	Southwestern Willow Flycatcher	E	S	S	YES		1-2	1B
<i>Euderma maculatum</i>	spotted bat		S	S	YES		4	1-2
<i>Euphilotes ancilla purpura</i>	Spring Mountains dark blue		S				2	1-2
<i>Euphydryas anicia morandi</i> *	Morand's checkerspot						2	2
<i>Gopherus agassizii</i>	desert tortoise	T	S	S	YES		4	4
<i>Hesperia colorado mojavenensis</i> *	Spring Mountains comma skipper		S				3	3
<i>Icaricia icarioides austinatorum</i> *	Spring Mountains icarioides blue		S				2	2
<i>Icaricia shasta charlestonensis</i> *	Spring Mountains blue						2	2
<i>Lasius nevadensis</i>	endemic ant						1?	1
<i>Limenitis weidemeyerii nevadae</i> *	Nevada admiral		S				2-3	2-3
<i>Myotis ciliolabrum</i>	western small-footed myotis		S				5	3B
<i>Myotis evotis</i> *	long-eared myotis		S				5	4B
<i>Myotis lucifugus occultus</i>	occult myotis						3-4	1
<i>Myotis thysanodes</i>	fringed myotis		S				4-5	2B
<i>Myotis volans</i> *	long-legged myotis		S				5	4B
<i>Pyrgulopsis turbatrix</i>	southeast Nevada springsnail						2	2
<i>Speyeria carolae</i> *	Carole's silverspot						2-3	2-3
<i>Tamias palmeri</i> *	Palmer's chipmunk						2	2
PLANTS								
<i>Angelica scabrida</i>	rough angelica		S	S		T	2	2
<i>Antennaria soliceps</i>	Charleston pussytoes			S		W	1-2	1-2
<i>Arabis dispar</i> *	pinyon rockcress			W		D	3	2
<i>Arabis shockleyi</i>	Shockley rockcress			S		D	3	3
<i>Arenaria congesta charlestonensis</i>	Mount Charleston sandwort					W	2?	2?
<i>Arenaria kingii rosea</i> *	rosy King sandwort			S		W	2	2
<i>Astragalus aequalis</i>	Clokey milkvetch		S	S		W	2	2
<i>Astragalus beatleyae</i>	Beatley milkvetch		S			W	2	2
<i>Astragalus funereus</i> *	black woollypod		S	S		W	2	2
<i>Astragalus lentiginosus kernensis</i>	Kern Plateau milkvetch					W	3?	1
<i>Botrychium ascendens</i>	upswept moonwort			S		W	2-3	1
<i>Botrychium crenulatum</i>	dainty moonwort		S	S		W	3	1?
<i>Camissonia megalantha</i>	Cane Spring suncup		S			W	3Q	3

Table 4, other sensitive species, continued

TAXON NAME		AGENCY STATUS					NV HERITAGE PROGRAM RANKS	
Scientific	Vernacular	Federal			NV	NN PS	Global	State
		FWS	BLM	FS				
<i>Cirsium clokeyi</i> *	Clokey thistle					D	2-3	2-3
<i>Cryptantha tumulosa</i>	New York Mountains catseye			S		W	4?	2
<i>Cymopterus ripleyi saniculoides</i>	sanicle biscuitroot		S			W	3Q	3
<i>Draba brachystylis</i>	Wasatch draba					W	1-2	1
<i>Draba jaegeri</i> *	Jaeger whitlowgrass			S		W	2	2
<i>Draba paucifructa</i>	Charleston draba			S		W	1-2	1-2
<i>Epilobium nevadense</i> *	Nevada willowherb		S	S		W	2	2
<i>Ericameria compacta</i> *	Charleston goldenbush			S		W	2?	2?
<i>Eriogonum concinnum</i>	Darin buckwheat					W	2	2
<i>Frasera pahutensis</i>	Pahute green gentian		S			W	3	3
<i>Galium hilendiae kingstonense</i>	Kingston Mountains bedstraw		S			T	2	1
<i>Glossopetalon clokeyi</i>	Clokey greasebush			S		W	2	2
<i>Hulsea vestita inyoensis</i> *	Inyo hulsea			W		W	2-3Q	2
<i>Ivesia arizonica saxosa</i>	rock purpusia		S			W	1	1
<i>Ivesia cryptocaulis</i>	hidden ivesia			S		W	2	2
<i>Ivesia jaegeri</i>	Jaeger ivesia		S	S		W	2-3	2-3
<i>Pedicularis semibarbata charlestonensis</i> *	Charleston pinewood lousewort					D	3Q	3
<i>Pediomelum castoreum</i>	Beaver Dam breadroot					W	3	3
<i>Penstemon fruticiformis amargosae</i>	Death Valley beardtongue		S	S		T	3	2
<i>Penstemon leiophyllus keckii</i> *	Charleston beardtongue					W	2	2
<i>Penstemon pahutensis</i> *	Pahute Mesa beardtongue		S			W	3	3
<i>Penstemon thompsoniae jaegeri</i>	Jaeger beardtongue					W	2	2
<i>Phacelia mustelina</i>	weasel phacelia			W		W	2-3	2
<i>Salvia dorrii clokeyi</i> *	Clokey mountain sage		S	S		W	3	3
<i>Sclerocactus polyancistrus</i>	hermit cactus			W	CY	D	4	2-3
<i>Silene clokeyi</i>	Clokey catchfly			S		W	2	2
<i>Sphaeromeria compacta</i>	Charleston tansy			S		W	2	2
<i>Synthyris ranunculina</i> *	Charleston kittentails			S		W	2-3	2-3
<i>Townsendia jonesii tumulosa</i> *	Charleston grounddaisy		S	S		W	3	3
<i>Viola purpurea charlestonensis</i> *	Charleston violet					W	3Q	2-3

* documented on or near (within 0.5 mi or 0.8 km of) *Astragalus oophorus* var. *clokeyanus* sites. All others within 6 mi (10 km).

FWS (Endangered Species Act administered by U. S. D. I. Fish and Wildlife Service): **E**: endangered; **T**: threatened.

BLM, FS (U. S. D. I. Bureau of Land Management, U. S. D. A. Forest Service): **S**: Special-status or Sensitive; **W**: Watch.

NV (State of Nevada): **CY**: harvest regulated under NRS/NAC 527; **YES**: regulated under NAC 503.

NNPS (Nevada Native Plant Society): **D**: delisted; **T**: threatened; **W**: watch list.

NV Heritage Program Ranks: **Global**: worldwide; **State**: within Nevada; **1**: critically imperiled; **2**: imperiled; **3**: vulnerable; **4**: apparently secure; **5**: demonstrably secure; **B**: breeding occurrences only; **Q**: taxonomic status in question; **?**: rank uncertain (+/- 1).

TABLE 5. Specimens documenting known and reported *Astragalus oophorus* var. *clokeyanus* sites.

Site Number and Name	Collector & Number	Date	Repository*
1. Lee Canyon	Ripley & Barneby 4979	13 June 1942	CAS, RSA, NY
2. Old Wheeler Pass Road	Beatley & Reveal 10805	1 June 1970	NTS
4. Pipeline Ridge	LaRivers & Hancock 513 Train, P. 2141 Alexander, A. 794	23 June 1937 11 July 1938 16 June 1939	NA, RENO ARIZ, NA, RENO, UC UC
5. Wheeler Pass	Smith & Nachlinger 3717	28 June 1993	UNLV
7. Ski Lee	Smith & Nachlinger 3708	25 June 1993	BRY, UNLV
9. Willow Spring	Atwood, N.D. 10874	9 May 1985	UNLV
14. Clark Canyon	Mayben & Perkins s.n.	7 August 1995	USFS, to be distributed
15. Indian Springs	Smith et al. 3916	17 June 1995	UNLV
16. Cliff Spring	Beatley & Kaaz s.n. (?)	8 June 1969	UNLV
18. Split Ridge	Beatley, J.C. s.n. (?) Anderson, D. s.n.	27 June 1968 22 May 1996	NTS BRY?, NTS?, UNLV?
20. Southern Bench	Anderson, D. s.n.	13 May 1997	NTS?, UNLV?
21. South Silent Canyon	Anderson, D. s.n.	13 May 1997	NTS?, UNLV?
24. Kawich Canyon	Wills, C. s.n.	15 May 1997	NTS?, UNLV?
25. Kawich Canyon East	Wills, C. s.n.	21 May 1997	NTS?, UNLV?
26. Captain Jack Spring	Cochrane & Holland (?)	20 May 1978	UNLV
27. Tongue Wash	Hansen s.n. Anderson, D. 1263	7 July 1997 10 June 1998	NTS?, UNLV? NTS?, UNLV?
28. East Cat Canyon	Anderson, D. 1259	9 June 1998	NTS?, UNLV?
29. Timber Mountain	Ostler, K. s.n.	15 June 1998	NTS?, UNLV?
30. Shoshone Peak	Anderson, D. s.n.	27 May 1998	NTS?, UNLV?

* Abbreviations from Holmgren *et al.* (1990). See Table 1 for site descriptions. Collections with (?) were cited in Anderson (1998) as *Astragalus oophorus* var. *oophorus*, but are from known locations of var. *clokeyanus* and are assumed to be that taxon instead.