

APPENDIX 1. SITE LOCATIONS AND CHARACTERISTICS.

LOCATION NUMBER	STATE	COUNTY	NAME	Plant Voucher	LONG.	LAT.	ELEV. (feet)	ECOREGION (per McNab & Bailey 1994)
1	AZ	Apache	Canyon De Chelly N.P.: Canyon Del Muerto,.	95-33	109°20'	36°16'	6000	Navajo Canyonlands
2	AZ	Apache	Chinle: Hwy 64.	94-67	109°30'	36°10'	6600	Navajo Canyonlands
3	AZ	Apache	Nazlini: on hill above village	97-7	109°27'	35°54'	6766	Navajo Canyonlands
4	AZ	Apache	Lukachukai Mts.: along Lukachukai Creek	94-68	109°10'	36°27'	7200	Navajo Canyonlands
5	AZ	Cochise	Comfort Springs: Huachuca Mts.	94-53	110°17'	31°26'	7200	Basin and Range
6	AZ	Coconino	Jacob Lake: 5 mi E on US 89A	95-36	112°10'	36°46'	7000	Grand Canyon
7	AZ	Coconino	Grand Canyon: South Rim	94-65	110°54'	36°00'	7400	Grand Canyon
8	AZ	Coconino	Shonto: HWY 98 at mp 342	95-34	110°24'	36°35'	6500	Navajo Canyonlands
9	AZ	Coconino	The Gap: HWY 89 going towards Cedar Ridge	94-66	111°27'	36°18'	5800	Grand Canyon
10	AZ	Coconino	Moenaave: spring area on road to Tuba City	95-53	111°19'	36°08'	5200	Grand Canyon
11	AZ	Coconino	Bitter Springs: HWY 89 on hill	95-35	111°38'	36°38'	6533	Grand Canyon
12	AZ	Gila	Red Lake: USFS Road 512, 5 mi s/HWY 260.	94-60	110°52'	34°17'	7500	Tonto Transition
13	AZ	Gila	Pinal Mts.: Road to Pioneer Pass	94-57	110°52'	33°18'	5600	Tonto Transition
14	AZ	Gila	Rosecreek Campground: Sierra Ancha Mts.	94-58	110°58'	33°47'	5500	Tonto Transition
15	AZ	Gila	Sierra Ancha Mts: St. Rd. 288 at 6200ft	94-59	110°57'	33°51'	6200	Tonto Transition
16	AZ	Gila	Tonto Rim: Tonto Village	94-61	111°06'	34°19'	5760	Tonto Transition
18	AZ	Graham	Mt. Graham: HWY 366, west face of range.	94-52	109°51'	32°39'	8800	Basin and Range
20	AZ	Mojave	Hualapai Mts.: along Flag Mine Rd.	95-39	113°49'	35°06'	6500	Mohave Desert
21	AZ	Mojave	Hualapai Mts.: road to Yucca	95-39.5	113°55'	34°54'	6500	Mohave Desert
22	AZ	Navajo	Second Mesa	95-54	110°32'	35°51'	6200	Navajo Canyonlands
23	AZ	Navajo	Showlow Dam	95-25	110°00'	34°12'	6550	Tonto Transition
24	AZ	Pima	Kitt Peak	94-54	111°37'	31°56'	5800	Sonoran Desert
25	AZ	Pima	Bear Canyon: Santa Catalina Mts.	94-55	110°45'	32°22'	6000	Sonoran Desert
26	AZ	Yavapai	Crown King: Bradshaw Mts	94-62	112°21'	34°13'	6325	Tonto Transition
27	AZ	Yavapai	Goodwin: Senator Rd 10 mi/ s Prescott	94-63	112°25'	34°23'	6650	Tonto Transition
28	CO	Archuleta	Piedra River: along Yellowjacket Creek	95-26	107°25'	37°13'	7200	S. Rocky Mt. Steppe
29	CO	Garfield	Douglas Pass	95-32	108°48'	39°36'	7700	S. Rocky Mt. Steppe
30	CO	Mesa	Coal Gulch: T8S, R101W	95-31	108°38'	39°22'	5450	S. Rocky Mt. Steppe
31	CO	Montrose	Escalante Canyon	95-30	108°22'	38°33'	5350	Northern Canyon Lands
34	NM	Hidalgo	Cianton Draw: Peloncillo Mts.	96-6	108°59'	31°31'	5400	Basin and Range
35	NM	Otero	Sunspot Hwy: Sacramento Mts.	98-1	105°46'	32°56'	8920	Sacramento Mountains

APPENDIX 1. [CONT.]

LOCATION NUMBER	STATE	COUNTY	NAME	Plant Voucher	LONG.	LAT.	ELEV (feet)	ECOREGION (per McNab & Bailey 1994)
36	NM	Rio Arriba	Gubemador Canyon: St. HWY 64, mp 110	94-75	107°18'	36°43'	6800	S. Rocky Mt. Steppe
37	NM	Socorro	Ladrone Peak	96-2	107°05'	34°25'	7500	Cent. R.G. Intermontaine
38	NV	Carson	Kings Canyon	96-1	119°49'	39°08'	6000	Mono Intermountain
39	NV	Clark	Kyle Canyon: Charleston Mts.	94-69	115°39'	36°16'	7500	Mohave Desert
40	NV	Clark	Mt. Charleston	95-37	115°39'	36°15'	8500	Mohave Desert
41	NV	Washoe	Spooner Lake	95-56	119°55'	39°06'	7146	Sierra Nevada
42	NV	Washoe	Mt. Rose: HWY 31, 2 mi N/ summit	95-57	119°55'	39°18'	8700	Sierra Nevada
43	NV	Washoe	King's Canyon: Washoe Mts.	95-55	119°49'	39°08'	6000	Sierra Nevada
44	TX	Brewster	Dead Horse Mts.: Big Bend National Park	96-7	103°00'	29°19'	3000	Stockton Plateau
45	UT	Carbon	Whitmore Canyon: NE/ Sunnyside	95-45	110°23'	39°37'	8000	UT High Plateaus & Mts.
46	UT	Emery	Joe's Valley: 0.5 mi downstream from reservoir	95-49	111°15'	39°17'	6800	UT High Plateaus & Mts.
47	UT	Emery	Lowry Water: upper Joe's Valley	95-48	111°15'	39°25'	7000	UT High Plateaus & Mts.
48	UT	Emery	Bald Ridge: Miller Flat Rd., n/ ranger station	95-46	110°03'	39°27'	8600	UT High Plateaus & Mts.
50	UT	Emery	Horse Canyon: Tavaputs Plateau	95-44	110°22'	39°28'	6500	Northern Canyonlands
51	UT	Emery	Lilila Canyon Rd: at top of plateau	95-43	110°18'	39°28'	7500	Northern Canyonlands
52	UT	Emery	Sego Canyon	95-42	109°42'	39°05'	7300	Northern Canyonlands
53	UT	Garfield	Antimony Creek	95-51	111°57'	38°05'	6960	UT High Plateaus & Mts.
54	UT	Garfield	Red Canyon: near tunnel on HWY 12	94-74	112°18'	37°45'	7000	UT High Plateaus & Mts.
55	UT	Garfield	Burr Rd. Trail: Long Canyon, 1 mi e/Gulch	97-4	111°19'	37°52'	6500	UT High Plateaus & Mts.
56	UT	Garfield	Spencer Butte Rd.: 10 mi e/Escalante, HWY 12	97-5	111°29'	37°44'	5700	UT High Plateaus & Mts.
57	UT	Garfield	East /Henrieville: Hwy 12, 23 mi sw/Escalante,	97-6	111°47'	37°44'	7300	UT High Plateaus & Mts.
58	UT	Iron	East /Cedar City	94-72	113°00'	37°13'	6800	UT High Plateaus & Mts.
59	UT	Millard	Willow Creek: Pahvant Range, w/ Salina	95-50	112°57'	38°59'	8000	UT High Plateaus & Mts.
60	UT	San Juan	Bear's Ears: Mantli-la Sal N.F.	95-41	109°52'	37°38'	8400	Northern Canyonlands
61	UT	San Juan	Moki Dugway area: on US. HWY 95,	95-40	109°53'	37°35'	6882	Grand Canyon
62	UT	San Juan	Moki Dugway area: on UT HWY 261	97-3	109°55'	37°19'	6500	Grand Canyon
63	UT	Washington	Oak Grove Campground: White Pine Mts.	94-71	113°28'	38°19'	7000	UT High Plateaus & Mts.
64	UT	Washington	Whipple Trail: Pine Valley: White Pine Mts	95-52	113°24'	37°23'	8120	UT High Plateaus & Mts.