

APPENDIX 3: ALL NPS COLLECTIONS

Abbreviations: GLCA = herbarium at Glen Canyon NRA, SEUG = the herbarium for the Southeast Utah Group, ZION = the herbarium at Zion National Park, CNC = Canadian National Collection of Insects, Arachnids, and Nematodes.

NPS Accession/Catalog	Repository	Collector	Collection #	Taxon	Family	Collection Date	State	County	Locality	zone	easting	northing	Datum	Elev. (ft)
ARCH-368, ARCH 3981	SEUG	E. C. Palmquist	46	Zigadenus vaginatus	Liliaceae	06-Sep-09	UTAH	Grand	Arches National Park, Courthouse Wash, from road, first large drainage on NE side past Ring Arch	12S	4280225	619353	NAD27	4344
ARCH-368, ARCH 3982	CNC	E. C. Palmquist	NA	Undetermined	Tachinidae	6-Sep-09	UTAH	Grand	Arches National Park, hanging garden north of Delicate Arch trail in large alcove, 1/2mi from trailhead	12S	4289004	629520	NAD27	4541
ARCH-368, ARCH 3983	CNC	E. C. Palmquist	NA	Undetermined	Tachinidae	6-Sep-09	UTAH	Grand	Arches National Park, hanging garden north of Delicate Arch trail in large alcove, 1/2mi from trailhead	12S	4289004	629520	NAD27	4541
ARCH-368, ARCH 3984	CNC	E. C. Palmquist	NA	Undetermined	Tachinidae	6-Sep-09	UTAH	Grand	Arches National Park, hanging garden north of Delicate Arch trail in large alcove, 1/2mi from trailhead	12S	4289004	629520	NAD27	4541
ARCH-368, ARCH 3985	CNC	E. C. Palmquist	NA	Undetermined	Tachinidae	6-Sep-09	UTAH	Grand	Arches National Park, hanging garden north of Delicate Arch trail in large alcove, 1/2mi from trailhead	12S	4289004	629520	NAD27	4541
ARCH-368, ARCH 3986	CNC	E. C. Palmquist	NA	Undetermined	Tachinidae	6-Sep-09	UTAH	Grand	Arches National Park, hanging garden north of Delicate Arch trail in large alcove, 1/2mi from trailhead	12S	4289004	629520	NAD27	4541
ARCH-368, ARCH 3987	CNC	E. C. Palmquist	NA	Undetermined	Tachinidae	6-Sep-09	UTAH	Grand	Arches National Park, hanging garden north of Delicate Arch trail in large alcove, 1/2mi from trailhead	12S	4289004	629520	NAD27	4541
ARCH-368, ARCH 3988	CNC	E. C. Palmquist	NA	Undetermined	Tachinidae	6-Sep-09	UTAH	Grand	Arches National Park, hanging garden north of Delicate Arch trail in large alcove, 1/2mi from trailhead	12S	4289004	629520	NAD27	4541
ARCH-368, ARCH 3989	SEUG	E. C. Palmquist	NA	Undetermined	Dolichopodidae	6-Sep-09	UTAH	Grand	Arches National Park, hanging garden north of Delicate Arch trail in large alcove, 1/2mi from trailhead	12S	4289004	629520	NAD27	4541
ARCH-368, ARCH 3990	SEUG	E. C. Palmquist	NA	Polistes major (?)	Vespidae	6-Sep-09	UTAH	Grand	Arches National Park, hanging garden north of Delicate Arch trail in large alcove, 1/2mi from trailhead	12S	4289004	629520	NAD27	4541
ARCH-368, ARCH 3991	SEUG	E. C. Palmquist	NA	Undetermined	Lauxaniidae?	6-Sep-09	UTAH	Grand	Arches National Park, hanging garden north of Delicate Arch trail in large alcove, 1/2mi from trailhead	12S	4289004	629520	NAD27	4541
DINO-606, DINO 40524	DINO	E. C. Palmquist	43	Zigadenus vaginatus	Liliaceae	17-Aug-09	UTAH	Uintah	Dinosaur National Monument, in drainage of Ely Creek in Labyrinths area, from Jones Hole Trail follow canyon past Butt Dam Falls, then N to Ely Creek, follow east fork N to alcove on E side of canyon	12T	4492825	663923	NAD27	5875

DINO-606, DINO 40525	DINO	E. C. Palmquist	44	Zigadenus vaginatus	Liliaceae	18-Aug-09	COLORADO	Moffat	Dinosaur National Monument, Bull Canyon, from Bull Canyon trail turn NNE at pilar-like rock outcrop in middle of canyon, alcove on N side of canyon with obvious multilayer seeps	12T	4481454	683426	NAD27	5525
DINO-606, DINO 40526	CNC	E. C. Palmquist	NA	Chrysotoxum integrum	Syrphidae	18-Aug-09	COLORADO	Moffat	Dinosaur National Monument, Bull Canyon, from Bull Canyon trail turn NNE at pilar-like rock outcrop in middle of canyon, alcove on N side of canyon with obvious multilayer seeps	12T	4481454	683426	NAD27	5525
DINO-606, DINO 40527	CNC	E. C. Palmquist	NA	Chrysotoxum integrum	Syrphidae	18-Aug-09	COLORADO	Moffat	Dinosaur National Monument, Bull Canyon, from Bull Canyon trail turn NNE at pilar-like rock outcrop in middle of canyon, alcove on N side of canyon with obvious multilayer seeps	12T	4481454	683426	NAD27	5525
DINO-606, DINO 40528	CNC	E. C. Palmquist	NA	Chrysotoxum integrum	Syrphidae	18-Aug-09	COLORADO	Moffat	Dinosaur National Monument, Bull Canyon, from Bull Canyon trail turn NNE at pilar-like rock outcrop in middle of canyon, alcove on N side of canyon with obvious multilayer seeps	12T	4481454	683426	NAD27	5525
DINO-606, DINO 40529	DINO	E. C. Palmquist	NA	Undetermined	Acalyprate/ Muscoids	18-Aug-09	COLORADO	Moffat	Dinosaur National Monument, Bull Canyon, from Bull Canyon trail turn NNE at pilar-like rock outcrop in middle of canyon, alcove on N side of canyon with obvious multilayer seeps	12T	4481454	683426	NAD27	5525
DINO-606, DINO 40530	DINO	E. C. Palmquist	NA	Undetermined	Acalyprate/ Muscoids	17-Aug-09	UTAH	Uintah	Dinosaur National Monument, in drainage of Ely Creek in Labyrinths area, from Jones Hole Trail follow canyon past Butt Dam Falls, then N to Ely Creek, follow east fork N to alcove on E side of canyon	12T	4492825	663923	NAD27	5875
DINO-606, DINO 40531	CNC	E. C. Palmquist	NA	Chrysotoxum integrum	Syrphidae	17-Aug-09	UTAH	Uintah	Dinosaur National Monument, in drainage of Ely Creek in Labyrinths area, from Jones Hole Trail follow canyon past Butt Dam Falls, then N to Ely Creek, follow east fork N to alcove on E side of canyon	12T	4492825	663923	NAD27	5875
GLCA-00494, GLCA 23304	GLCA	E. C. Palmquist	47	Zigadenus vaginatus	Liliaceae	03-Oct-09	UTAH	Kane	Glen Canyon NRA, NE fork of Reflection Canyon, Cottonwood Gulch, 0.4mi up canyon from full pool level of Lake Powell	12S	4118541	505836	NAD27	3800
GLCA-00494, GLCA 23305	GLCA	E. C. Palmquist	27	Zigadenus vaginatus	Liliaceae	12-Aug-08	UTAH	Kane	Glen Canyon NRA, NE fork of Reflection Canyon, Cottonwood Gulch, 0.4mi up canyon from full pool level of Lake Powell	12S	4118541	505836	NAD27	3800
GLCA-00494, GLCA 23306	GLCA	E. C. Palmquist	27	Zigadenus vaginatus	Liliaceae	12-Aug-08	UTAH	Kane	Glen Canyon NRA, NE fork of Reflection Canyon, Cottonwood Gulch, 0.4mi up canyon from full pool level of Lake Powell	12S	4118541	505836	NAD28	3801
GLCA-00494, GLCA 23307	GLCA	E. C. Palmquist	27	Zigadenus vaginatus	Liliaceae	12-Aug-08	UTAH	Kane	Glen Canyon NRA, NE fork of Reflection Canyon, Cottonwood Gulch, 0.4mi up canyon from full pool level of Lake Powell	12S	4118541	505836	NAD29	3802
GLCA-00494, GLCA 23308	GLCA	E. C. Palmquist	27	Zigadenus vaginatus	Liliaceae	12-Aug-08	UTAH	Kane	Glen Canyon NRA, NE fork of Reflection Canyon, Cottonwood Gulch, 0.4mi up canyon from full pool level of Lake Powell	12S	4118541	505836	NAD30	3803

23308	GLCA	Palmquist	27	vaginatus	Liliaceae	12-Aug-08	UTAH	Kane	pool level of Lake Powell	12S	4118541	505836	NAD30	3803
GLCA-00494, GLCA 23309	GLCA	E. C. Palmquist	36	Zigadenus vaginatus	Liliaceae	04-Oct-08	UTAH	San Juan	Glen Canyon NRA, Ribbon Canyon, ~0.5mi up canyon from full pool Lake Powell on north side of canyon	12S	4123484	514303	NAD27	3840
GLCA-00494, GLCA 23310	GLCA	E. C. Palmquist	36	Zigadenus vaginatus	Liliaceae	04-Oct-08	UTAH	San Juan	Glen Canyon NRA, Ribbon Canyon, ~0.5mi up canyon from full pool Lake Powell on north side of canyon	12S	4123484	514303	NAD27	3840
GLCA-00494, GLCA 23311	GLCA	E. C. Palmquist	36	Zigadenus vaginatus	Liliaceae	04-Oct-08	UTAH	San Juan	Glen Canyon NRA, Ribbon Canyon, ~0.5mi up canyon from full pool Lake Powell on north side of canyon	12S	4123484	514303	NAD27	3840
GLCA-00494, GLCA 23312	GLCA	E. C. Palmquist	36	Zigadenus vaginatus	Liliaceae	04-Oct-08	UTAH	San Juan	Glen Canyon NRA, Ribbon Canyon, ~0.5mi up canyon from full pool Lake Powell on north side of canyon	12S	4123484	514303	NAD27	3840
GLCA-00494, GLCA 23313	GLCA	E. C. Palmquist	28	Eremocrinum albomarginatum	Liliaceae	02-Jun-08	UTAH	Kane	Glen Canyon NRA, Hole in the Rock rd	12S	4121847	504187	NAD83	4100
GLCA-00494, GLCA 23314	GLCA	E. C. Palmquist	29	Eremocrinum albomarginatum	Liliaceae	03-Jun-08	UTAH	Kane	Glen Canyon NRA, Hole in the Rock Rd.	12S	4122903	507332	NAD27	4280
GLCA-00494, GLCA 23315	GLCA	E. C. Palmquist	30	Eremocrinum albomarginatum	Liliaceae	03-Jun-08	UTAH	Kane	Glen Canyon NRA, Hole in the Rock Rd.	12S	4123292	507906	NAD83	4270
GLCA-00494, GLCA 23345	GLCA	E. C. Palmquist	NA	Undetermined	Tachinidae	3-Oct-09	UTAH	Kane	Glen Canyon NRA, NE fork of Reflection Canyon, Cottonwood Gulch, 0.4mi up canyon from full pool level of Lake Powell	12S	4118541	505836	NAD27	3800
GLCA-00494, GLCA 23346	GLCA	E. C. Palmquist	NA	Undetermined	Tachinidae	3-Oct-09	UTAH	Kane	Glen Canyon NRA, NE fork of Reflection Canyon, Cottonwood Gulch, 0.4mi up canyon from full pool level of Lake Powell	12S	4118541	505836	NAD27	3800
GLCA-00494, GLCA 23347	GLCA	E. C. Palmquist	NA	Undetermined	Tachinidae	3-Oct-09	UTAH	Kane	Glen Canyon NRA, NE fork of Reflection Canyon, Cottonwood Gulch, 0.4mi up canyon from full pool level of Lake Powell	12S	4118541	505836	NAD27	3800
GLCA-00494, GLCA 23348	GLCA	E. C. Palmquist	NA	Undetermined	Tachinidae	3-Oct-09	UTAH	Kane	Glen Canyon NRA, NE fork of Reflection Canyon, Cottonwood Gulch, 0.4mi up canyon from full pool level of Lake Powell	12S	4118541	505836	NAD27	3800
GLCA-00494, GLCA 23349	GLCA	E. C. Palmquist	NA	Undetermined	Tachinidae	3-Oct-09	UTAH	Kane	Glen Canyon NRA, NE fork of Reflection Canyon, Cottonwood Gulch, 0.4mi up canyon from full pool level of Lake Powell	12S	4118541	505836	NAD27	3800
GLCA-00494, GLCA 23350	GLCA	E. C. Palmquist	NA	Sarcophaga subgenus Neobellieria, Female	Sarcophagidae	3-Oct-09	UTAH	Kane	Glen Canyon NRA, NE fork of Reflection Canyon, Cottonwood Gulch, 0.4mi up canyon from full pool level of Lake Powell	12S	4118541	505836	NAD27	3800
GLCA-00494, GLCA 23351	GLCA	E. C. Palmquist	NA	Undetermined	Tachinidae	3-Oct-09	UTAH	San Juan	Glen Canyon NRA, Ribbon Canyon, ~0.5mi up canyon from full pool Lake Powell on north side of canyon	12S	4123484	514303	NAD27	3840
GLCA-00494, GLCA 23352	GLCA	E. C. Palmquist	NA	Undetermined	Tachinidae	3-Oct-09	UTAH	San Juan	Glen Canyon NRA, Ribbon Canyon, ~0.5mi up canyon from full pool Lake Powell on north side of canyon	12S	4123484	514303	NAD27	3840
GLCA-00494, GLCA 23353	GLCA	E. C. Palmquist	NA	Undetermined	Sciaridae?	3-Oct-09	UTAH	San Juan	Glen Canyon NRA, Ribbon Canyon, ~0.5mi up canyon from full pool Lake Powell on north side of canyon	12S	4123484	514303	NAD27	3840

GLCA-00494, GLCA 23354	GLCA	E. C. Palmquist	NA	Hippodamia convergens	Coccinellidae	3-Oct-09	UTAH	San Juan	Glen Canyon NRA, Ribbon Canyon, ~0.5mi up canyon from full pool Lake Powell on north side of canyon	12S	4123484	514303	NAD27	3840
NABR-141, NABR 4440	SEUG	E. C. Palmquist	37	Zigadenus vaginatus	Liliaceae	18-Jul-09	UTAH	San Juan	Natural Bridges National Monument, in drainage and alcove of canyon that runs ESE of Sipapu Bridge, main garden is above/behind first alcove-like seep when hiking from bridge	12S	4163159	587921	NAD27	6379
NABR-141, NABR 4441	SEUG	E. C. Palmquist	38	Zigadenus vaginatus	Liliaceae	18-Jul-09	UTAH	San Juan	Natural Bridges National Monument, in alcove N of trail that exits White Canyon from Kachina Bridge, E of trail in bottom of White Canyon, first alcove you see when climbing up the first ladder from the bottom	12S	4161571	585915	NAD27	5890
ZION-01213, ZION 15084	ZION	E. C. Palmquist	41	Zigadenus vaginatus	Liliaceae	04-Aug-09	UTAH	Washington	Zion National Park, Kolob Canyons, in same canyon as Kolob Arch, along the creek, between the arch and La Verkin creek.	12S	4143339	309761	NAD27	5300