

Appendix A

Historical Ecology - Floristic Records

Appendix A: Historical Ecology - Floristic Records

Family	Species	Common name	Wetland status	Collector	Year	Location
Cyperaceae	<i>Cyperus esculentus</i>	Yellow nutgrass	FACW	Anstruther Davidson	1923	Los Angeles Basin [Los Angeles]. LA River.
Cyperaceae	<i>Cyperus esculentus</i>	Yellow nutgrass	FACW	L. C. Wheeler	1967	Coastal Plains and Basins; Los Angeles Basin region South side Los Feliz Blvd. at Los Angeles River.
Cyperaceae	<i>Cyperus odoratus</i>	fragrant flatsedge	FACW	Fordyce Grinnell	1917	Near Los Angeles, Los Angeles river bottom.
Cyperaceae	<i>Eleocharis montevidensis</i>	sand spikerush	FACW	George B. Grant	1901	Los Angeles, sandy river bottom.
Equisetaceae	<i>Equisetum hyemale subsp. affine</i>	common scouring rush	FACW	H. M. Ritter	1931	Griffith Park, Los Feliz Bridge, Los Angeles River
Equisetaceae	<i>Equisetum laevigatum</i>	smooth horsetail	FACW	L. C. Wheeler	1933	Coastal Plains & Basins; Los Angeles Basin region L.A, River @ Los Feliz Blvd.
Salicaceae	<i>Salix lasiolepis</i>	arroyo willow	FACW	F. R. Fosberg	1931	at foot of Cahuenga Pass grade - Los Angeles River
Salicaceae	<i>Salix lasiolepis</i>	arroyo willow	FACW	F. R. Fosberg	1932	Coastal Plains & Basins; Los Angeles Basin region Flood plain of Los Angeles River, at foot of Cahuenga Pass grade.
Salicaceae	<i>Salix lasiolepis</i>	arroyo willow	FACW	F. R. Fosberg	1932	at foot of Cahuenga Pass Grade (Los Angeles R.) - Los Angeles R.
Equisetaceae	<i>Equisetum telmateia</i>	giant horsetail	OBL	L. C. Wheeler	1933	Coastal Plains & Basins; Los Angeles Basin region L.A, River @ Los Feliz Blvd.
Juncaceae	<i>Juncus rugulosus</i>	wrinkled rush	OBL	Anstruther Davidson	1894	Coastal Plains & Basins; Los Angeles Basin region Vernon: Los Angeles River.
Salicaceae	<i>Salix exigua</i>	sandbar willow	OBL	L. R. Abrams	1903	Old bed of Los Angeles River, Florence.
Onagraceae	<i>Camissonia micrantha</i>	miniature suncup		Freda Detmers	1929	Los Angeles Los Angeles. River Bed.
Portulacaceae	<i>Calyptidium monandrum</i>	common pussypaws		Anstruther Davidson	1890	Near Reservoir at river.

Appendix B

Historical Ecology - Nest Records (Western Foundation for Vertebrate Zoology)

Appendix B: Historical Ecology - Nest Records (Western Foundation for Vertebrate Zoology)

Species	Common Name	Locality	Date	Collector	Description
<i>Coccyzus americanus occidentalis</i>	California Cuckoo	Watson's Pasture	22-Jun-1902	Antonin Jay	Nest built of small sticks, and lined with green willow leaves, built 12 feet up in a willow.
<i>Coccyzus americanus occidentalis</i>	California Cuckoo	Watson's Pasture	10-Jun-1904	Alphonse Jay	A frail flat structure resembling that of a mourning dove, built of dry willow sticks, willow leaves and a few dry grasses, against stump in a willow tree ten feet from the ground. Bird was on nest.
<i>Coccyzus americanus occidentalis</i>	California Cuckoo	Watson's Pasture	10-Jul-1904	Alphonse Jay	Built of dry willow sticks, dry willow leaves and a few dry grasses on horizontal branch of a willow tree six feet from the ground. Bird was on nest.
<i>Coccyzus americanus occidentalis</i>	California Cuckoo	Watson's Pasture	4-Jun-1905	Alphonse Jay	A loose flat structure built of small dry willow twigs and dry willow leaves in outer braches of a willow tree fourteen feet from the ground.
<i>Coccyzus americanus occidentalis</i>	California Cuckoo	Watson's Pasture	9-Jul-1905	Alphonse Jay	A small flat and frail structure for the weight of the bird built of a few sticks, dry devil grass, bark fiber and withered willow leaves in a small willow tree thirteen feet from the ground. Bird was on the nest.
<i>Coccyzus americanus occidentalis</i>	California Cuckoo	Watson's Pasture	16-Jul-1905	Alphonse Jay	A frail and nearly flat platform of sticks, devil grass and foxtail with a few dry willow leaves in a willow tree fourteen feet from the ground. Bird was on nest.
<i>Coccyzus americanus occidentalis</i>	California Cuckoo	Watson's Pasture	1-Jul-1906	Antonin Jay	Nest built of small willow sticks and lined with willow leaves. Nest built in a willow fifteen feet from the ground. Bird was on the nest.
<i>Coccyzus americanus occidentalis</i>	California Cuckoo	Watson's Pasture	24-Jun-1906	Antonin Jay	Nest built of small willow sticks, and lined with green willow leaves, nest built in a willow fourteen feet from the ground.
<i>Coccyzus americanus occidentalis</i>	California Cuckoo	Watson's Pasture	20-Jun-1906	Antonin Jay	Nest built of small willow sticks and lined with green willow leaves and a decoration of moss about the edge. Nest built in a willow eleven feet from the ground. Bird was on the nest.
<i>Coccyzus americanus occidentalis</i>	California Cuckoo	Watson's Pasture	4-Jul-1907	Antonin Jay	Nest built of small willow twigs, and straw, and lined with willow leaves. Nest built in a willow nine feet from the ground.

Elysian Valley: Los Feliz Blvd to Taylor Yard
Los Angeles River Habitat Enhancement Study and Opportunities Assessment

Species	Common Name	Locality	Date	Collector	Description
<i>Coccyzus americanus occidentalis</i>	California Cuckoo	Watson's Pasture	10-Jul-1910	Antonin Jay	Nest built of small willow twigs and lined with a few willow leaves and straw. Nest built in a willow twelve feet from the ground. Bird in nest.
<i>Contophus sordidulus</i>	Western Wood Pewee	West Glendale	30-May-1891	C. S. Haines	Nest saddled on horizontal branch of willow about 6 ft. from ground. Composed of mud, split grasses, bark strips and fibers.
<i>Dendroica petechia</i>	Yellow Warbler	Elysian Park	11-May-1895	A. Hunter	Nest in a willow 6 ft. up.
<i>Dendroica petechia</i>	Yellow Warbler	Los Angeles river bottom, Los Feliz Valley	12-May-07	H. Arden Edwards	Nest situated 14 ft up in small willow sapling in crotch. Composed of plant fibers, grasses, and lined with plant down and hair.
<i>Dendroica petechia</i>	Yellow Warbler	Los Angeles river bottom, Los Feliz Valley	25-May-07	H. Arden Edwards	Nest situated in small willow sapling, 12 ft. up. Composed of plant fibers, grasses, compactly lined with plant down and hairs.
<i>Empidonax traillii</i>	Little Flycatcher	Ivanhoe river bottom	9-Jun-06	H. Arden Edwards	Nest situated 4 feet up in a small sapling in thicket, near stream. Composed of grasses, weed, bark, fibers of vegetable matter, bound with spider webs, lined with hair. Coloration of eggs creamy white, spotted with light reddish brown.
<i>Empidonax traillii</i>	Trails Flycatcher	Los Nogals, LA river	11-Jun-16	Irwin D. Nokes	Composed of rootlets, fiber, grass, etc. no particular lining. Location: Willow sapling 5 ft. from ground.
<i>Empidonax traillii</i>	Trails Flycatcher	Watson's Pasture	22-Jun-1902	Antonin Jay	Built entirely of sticks with nettle bark, no lining, built in a small willow five feet from the ground.
<i>Empidonax traillii</i>	Least Flycatcher	Watson's Pasture	10-Jun-1900	Alphonse Jay	Built of bark fiber, wool and leaves lined with a few hairs and built in a willow tree eleven feet from the ground. Bird flew from the nest.
<i>Empidonax traillii</i>	Trails Flycatcher	Watson's Pasture	10-Jun-04	Antonin Jay	Nest built of nettle fiber and lined with willow down in a willow tree ten feet from the ground.
<i>Empidonax traillii</i>	Trails Flycatcher	Watson's Pasture	19-Jun-04	Alphonse Jay	Nest built of nettle fiber and willow down and lined with willow down in a willow tree eight feet from the ground.
<i>Empidonax traillii</i>	Trails Flycatcher	Watson's Pasture	9-Jun-05	Alphonse Jay	
<i>Empidonax traillii</i>	Trails Flycatcher	Watson's Pasture	9-Jun-05	Alphonse Jay	
<i>Empidonax traillii</i>	Trails Flycatcher	Watson's Pasture	4-Jun-05	Alphonse Jay	A closely matted structure made entirely of bark fiber and lined with dry yellow grass stems in a willow tree ten feet from the ground.
<i>Empidonax traillii</i>	Trails Flycatcher	Watson's Pasture	4-Jun-05	Alphonse Jay	A compact structure built of bark fiber, a few weed stems and dry blades of grass and lined with fine dry grasses and horse hair.

Species	Common Name	Locality	Date	Collector	Description
<i>Empidonax traillii</i>	Traills Flycatcher	Watson's Pasture	4-Jun-05	Alphonse Jay	A compact structure built entirely of bark fiber of several kinds of weed and lined with horse hair in a crutch of a small willow branch twelve feet from the ground. Bird was on the nest.
<i>Empidonax traillii</i>	Traills Flycatcher	Watson's Pasture	4-Jun-05	Alphonse Jay	A compact structure built of bark fiber and dry blades of grass in crutch of a willow branch ten feet from the ground.
<i>Empidonax traillii</i>	Traills Flycatcher	Watson's Pasture	2-Jun-07	Antonin Jay	Nest built of strips of the nettle bark and dry straws, and lined with finer material of the same. Nest built in a willow fourteen feet from the ground. Birds were present.
<i>Geothlypis trichas</i>	Common Yellowthroat	Watson's	10-Jun-12	Antonin Jay	Nest built of strips of cattail leaves and grasses and lined with fine white straws and a few hair, nest built in a bunch of meadow grass. Bird flushed.
<i>Geothlypis trichas</i>	Common Yellowthroat	Watson's	10-Jun-12	Antonin Jay	Nest built of strips of cattail leaves and grasses and lined with fine white straws and a few hair, nest built in a bunch of dutes and nettles about two feet from the ground.
<i>Icteria virens longicauda</i>	Long tailed chat	Ivanhoe	21-May-06	G. Willett	Nest position in blackberry vines in willow thicket; 4 ft from ground.
<i>Icteria virens longicauda</i>	Long tailed chat	Los Angeles River	22-Jun-1891	Dr. Davidson	Nest in willow tree 4 ft from ground.
<i>Icteria virens longicauda</i>	Long tailed chat	Los Angeles River	24-Apr-1893	H. Robertson	Nest in thicket by side of small stream.
<i>Icteria virens longicauda</i>	Long tailed chat	Los Feliz river bottom	18-May-07	H. Arden Edwards	Nest situated in tangle of briars. Composed of weed strips, stalks, grasses, small twigs and hair. Of some 8 or 10 nests that I have found, the eggs were never as heavily spotted as the "yellow breasted chat". The red yolks give these eggs a very soft beautiful pinkish color when fresh.
<i>Icteria virens longicauda</i>	Long tailed chat	Los Feliz Valley	15-May-09	H. Arden Edwards	Nest situated in tangle of briars and vines in river bottom. Composed of weeds, grasses, and leaves. Lined with fine rootlets, tendrils and hair.
<i>Icteria virens longicauda</i>	Long tailed chat	Burbank, Glassell Ranch	17-May-14	Irwin D. Nokes	Found on a dead limb covered with a black verry vine 4 ft. high.
<i>Melospiza melodia</i>	Song Sparrow	Burbank	21-May-11	Chas S. Thompson	Usual structure of twigs, leaves, and drift lined with hair, and placed in a blackberry vine in creek bottom, among very high nettles. Collector got badly "stung" on this nest--thought it was one of 685a.
<i>Melospiza melodia</i>	Song Sparrow	near Los Angeles	20-Apr-06	G. Willett	Nest among weeds in riverbed. 8 in from ground.

Species	Common Name	Locality	Date	Collector	Description
<i>Melospiza melodia</i>	Song Sparrow	Watson's	3-Jun-12	Antonin Jay	Nest built of straw, grass, and leaves, and lined with straw and horse hair nest built in a bunch of tules and nettles about five feet from the ground.
<i>Melospiza melodia</i>	Song Sparrow	Watson's	3-Jun-12	Antonin Jay	Nest built of grass and leaves and lined with straw and horse hair, nest built in a bunch of grass on the ground. Bird flushed.
<i>Melospiza melodia</i>	Song Sparrow	Watson's Pasture	4-Jun-05	Alphonse Jay	Nest built of dry leaves and grasses and lined with dry grasses and a few horse hair in a small willow stump fifteen inches above the ground.
<i>Melospiza melodia</i>	Song Sparrow	Watson's Pasture	2-Jun-07	Antonin Jay	Nest built of grass and straws, and lined with fine white straws. Nest built in a bunch of grass about a foot from the ground. Bird flushed.
<i>Passerina caerulea</i>	Blue Grosbeak	Watson's Pasture	29-Jun-1902	William J. Sheffler	Built of dry grasses, paper and spider webs and lined with finer grasses and a few scattered hair in a willow limb four feet from the ground.
<i>Pheucticus melanocephalus</i>	Black Headed Grosbeak	Ivanhoe	28-May-08	G. K. Snyder	In fork of willow 9 ft. from ground of wiry grass and roots.
<i>Pheucticus melanocephalus</i>	Black Headed Grosbeak	LA Riverbed near Burbank	12-May-1901	W. L. Chambers	In a willow 25 ft up. Composed entirely of rootlets very frail. nest in the top of a very small willow sapling.
<i>Pheucticus melanocephalus</i>	Black Headed Grosbeak	Watson's Pasture	10-May-1901	Antonin Jay	Built of small roots and sticks lined with a few horse hair. Nest built twenty feet up in a willow. Female was in the nest.
<i>Pheucticus melanocephalus</i>	Black Headed Grosbeak	Watson's Pasture	10-May-1901	Antonin Jay	Built of fine roots, no lining. Twelve feet from the ground in a willow. The male was on the nest.
<i>Pheucticus melanocephalus</i>	Black Headed Grosbeak	Watson's Pasture	29-June-1902	Antonin Jay	A slender structure built of a few sticks and lined with rootlets in a slender willow tree fourteen feet from the ground. Bird was on the nest.
<i>Pheucticus melanocephalus</i>	Black Headed Grosbeak	Watson's Pasture	19-Jun-04	Alphonse Jay	Built of fine sticks and lined with fine grasses, rootlets and hair in a willow tree ten feet from the ground.
<i>Pheucticus melanocephalus</i>	Black Headed Grosbeak	Watson's Pasture	19-Jun-04	Alphonse Jay	Built of small sticks and dry grasses and lined with rootlets and hair in a willow tree twelve feet from the ground.
<i>Pheucticus melanocephalus</i>	Black Headed Grosbeak	Watson's Pasture	19-Jun-04	Alphonse Jay	Built of small sticks and dry grasses and lined with rootlets and hair in a small willow tree seven feet from the ground.
<i>Sayornis nigricans</i>	Black Pheobe	Elysian Park	16-May-1896	A. Hunter	Under a chicken house 9 ft from ground, composed of mud, lined with grasses.
<i>Sayornis nigricans</i>	Black Pheobe	Ivanhoe	23-Apr-1894	A. Hunter	Nest composed of mud and straw with lining under an old bridge.
<i>Sayornis nigricans</i>	Black Pheobe	Ivanhoe	11-May-1894	Lee Chambers	Nest composed of mud and straw with lining under an old flank.

Elysian Valley: Los Feliz Blvd to Taylor Yard
Los Angeles River Habitat Enhancement Study and Opportunities Assessment

Species	Common Name	Locality	Date	Collector	Description
<i>Troglodytes aedon</i>	House Wren	Burbank	6-May-11	Chas S. Thompson	Nest of hair and feather 5 1/2 ft up in old nest-hole of Gairdueis Woodpecker in willow stub. Photo.
<i>Catharus ustulatus</i>	Swainson's Thrush	Los Angeles River bottom, near Ivanhoe	25-May-07	H. Arden Edwards	Nest situated in forks of small willow or alder sapling, in bottoms. Composed of weed stalks, bark strips, grasses and moss, lined with fine rootlets. Fairly common in bottom lands, in summer. Eggs very pale greenish blue. Spotted with several shades of chesnut. Shell shiny. A very shy, sweet songster, inhabiting for the most part the riverbottoms and sloughs, where there are plenty of trees. The call note of this species is peculiarly liquid and beautiful.
<i>Catharus ustulatus</i>	Swainson's Thrush	Watson's	14-Jun-1903	Alphonse Jay	Built of a few sticks, bark fiber, leaves and grass and lined with fine rootlets on a large willow limb ten feet from the ground.
<i>Catharus ustulatus</i>	Swainson's Thrush	Watson's Pasture	22-Jun-1902	Antonin Jay	Nest built 7 feet up in a willow, built of nettle leaves and grasses, lined with fine grasses.
<i>Vireo gilvus</i>	Least Vireo	Banks of the Los Angeles River	3-Jun-1897	G. Jean Morcom	Nest on extremity of horizontal branch of a willow tree- nest four feet from the ground. Nest collected.
<i>Vireo gilvus</i>	Least Vireo	Elysian Park	20-May-1895	A. Hunter	In a willow 2 ft up. Nest composed of bark stripping, leaves, spider web and fibers.
<i>Vireo gilvus</i>	Least Vireo	Near Elysian Park	12-Jun-1895	A. Hunter	2 ft from ground in an elder. Nest made of bark from weeds, web and fibers.
<i>Cardellina pusilla</i>	Wilson's Warbler	Burbank	4-Jun-11	A. B. Howell	Nest of weeds and grass lined with very fine grass, among some drift 6" up under a leaving nettle. Bird sat very close.

Appendix C

Historical Ecology - Inventory of Maps Used in Synthesis Mapping

Appendix C: Historical Ecology - Inventory of Maps Used in Synthesis Mapping

City of Los Angeles Bureau of Engineering. 1897. Topographical Map of Los Angeles River. C.S. Compton and J.H. Dockweiler, City Engineers. Surveyed in 1896–97. Scale 200 Feet to 1 Inch. Sheets 1-2-3-4.

California State Engineering Department. 1888. Detail Irrigation Map. Los Angeles Sheet. Wm. Ham. Hall, State Engineer. Irrigation Data 1888. Scale 1 1/2 Inches to One Mile. G. Sandow, Draughtsman.

United States Department of Agriculture Bureau of Soils. 1903. Soil Map. California. Los Angeles Sheet. Scale 1:62500. Soils surveyed by L. Mesmer, 1903. Base Map from U.S. Geological Survey. Field Operations Bureau of Soils 1903.

United States Department of Agriculture Bureau of Soils and University of California Agricultural Experiment Station. 1916. Soil Map. California. Los Angeles Sheet. Scale 1:62500. Soils surveyed by J.W. Nelson and C.J. Zinn (UC), A.T. Strahorn, E.B. Watson, and J.E. Dunn (USDA). Base Map in part from U.S. Geological Survey sheets and official map of Los Angeles County. Field Operations Bureau of Soils 1916.

United States Department of Agriculture Bureau of Soils and University of California Agricultural Experiment Station. 1917. Soil Map. California. Los Angeles Sheet. Scale 1:62500. Soils surveyed by J.E. Dunn, L.C. Holmes, and A.T. Strahorn (USDA), and J.E. Guernsey (UC). Base Map from U.S. Geological Survey. Field Operations Bureau of Soils 1917. [Note: soil series are as in 1916; river channel is slightly different; map has slightly less detail because topographic base map is not visible]

United States Geological Survey. 1897. California. (Los Angeles Co.) Los Angeles Sheet. Edition of February 1897. Surveyed in 1893–94. Scale 1:62500. Topography by L.C. Fletcher, W.S. Post and T.G. Gerdine.

United States Geological Survey. 1928. California. (Los Angeles Co.) Glendale Quadrangle. Edition of 1928. 1:24000. Surveyed in 1925. Topography by T.H. Moncure.

United States Geological Survey. 1928. California. (Los Angeles Co.) Los Angeles Quadrangle. Edition of 1928. 1:24000. Surveyed in 1925. Topography by C.A. Ecklund.

Plat maps as collateral data (T & R and topographic alignment, notes on vegetation) when georeferencing CD 1897: Rancho Providencia (1868) [GLO Data fileP01-244_providencia], Rancho Los Feliz (~1869) [file P01-163_losfeliz_Page_2], and Ex Mission de San Fernando (1869) [fileP01-605].