

APPENDIX 2B

SCIENTIFIC NAMES, COMMON NAMES, VEGETATION CODES AND SPECIES FREQUENCY AND ABUNDANCE FOR THE SAMPLED VEGETATION COVER TYPES IN THE KLAMATH PROJECT AREA

Appendix Table 2B-1

Scientific and common names associated with species codes.

Code	Scientific name	Common name/Accepted name(for synonyms)	Family
ABICON	<i>Abies concolor</i> (Gord. & Glend.) Lindl. ex Hildebr.	white fir	Pinaceae
ACEMAC	<i>Acer macrophyllum</i> Pursh	bigleaf maple	Aceraceae
ACENEG	<i>Acer negundo</i>	Box elder	Aceraceae
ACHLEM	<i>Achnatherum lemmonii</i> (Swallen) Barkworth	Lemmon's needlegrass	Poaceae
ACHMIL	<i>Achillea millefolium</i> L.	common yarrow	Asteraceae
Achnat	<i>Achnatherum</i> Beauv.	needlegrass	Poaceae
ACHOCC	<i>Achnatherum occidentale</i> (Thurb. ex S. Wats.) Barkworth	western needlegrass	Poaceae
ACHTHU	<i>Achnatherum thurberianum</i> (Piper) Barkworth	Thurber's needlegrass	Poaceae
AGAURT	<i>Agastache urticifolia</i> (Benth.) Kuntze	nettleleaf giant hyssop	Lamiaceae
AGOGRA	<i>Agoseris grandiflora</i> (Nutt.) Greene	bigflower agoseris	Asteraceae
AGOHET	<i>Agoseris heterophylla</i> (Nutt.) Greene	annual agoseris	Asteraceae
AGORET	<i>Agoseris retrorsa</i> (Benth.) Greene	spearleaf agoseris	Asteraceae
AGRCAP	<i>Agrostis capillaris</i> L.	colonial bentgrass	Poaceae
AGRDEN	<i>Agrostis densiflora</i> Vasey	California bentgrass	Poaceae
AGREXA	<i>Agrostis exarata</i> Trin.	spike bentgrass	Poaceae
AGRORE	<i>Agrostis oregonensis</i> Vasey	Oregon bentgrass	Poaceae
AGRREP	<i>Agropyron repens</i> (L.) Beauv.	>>Elymus repens	Poaceae
AGRSTO	<i>Agrostis stolonifera</i> L.	creeping bentgrass	Poaceae
AIRCAR	<i>Aira caryophylla</i> L.	silver hairgrass	Poaceae
ALICAM	<i>Allium campanulatum</i> S. Wats.	dusky onion	Liliaceae
ALIPLA	<i>Alisma plantago-aquatica</i> L.	American waterplantain	Alismataceae
ALLACU	<i>Allium acuminatum</i> Hook.	tapertip onion	Liliaceae
ALLAMP	<i>Allium ampeloprasum</i> L.	broadleaf wild leek	Liliaceae
Allium	<i>Allium</i> sp.		Liliaceae
ALNRHO	<i>Alnus rhombifolia</i> Nutt.	white alder	Betulaceae
ALOPRA	<i>Alopecurus pratensis</i> L.	meadow foxtail	Poaceae
ALYALY	<i>Alyssum alyssoides</i> (L.) L.	pale madwort	Brassicaceae
AMBPSI	<i>Ambrosia psilostachya</i> DC.	Cuman ragweed	Asteraceae
AMEALN	<i>Amelanchier alnifolia</i> (Nutt.) Nutt. ex M. Roemer	Saskatoon serviceberry	Rosaceae
AMSMEN	<i>Amsinckia menziesii</i> (Lehm.) A. Nels. & J.F. Macbr.	Menzies' fiddleneck	Boraginaceae
ANTARG	<i>Antennaria argentea</i> Benth.	silver pussytoes	Asteraceae
ANTCAU	<i>Anthriscus caucalis</i> Bieb.	burr chervil	Apiaceae
ANTCOT	<i>Anthemis cotula</i> L.	stinking chamomile	Asteraceae
ANTSTEN	<i>Antennaria stenolepis</i> Greene	>>Antennaria howellii ssp. petaloidea	Asteraceae
APOAND	<i>Apocynum androsaemifolium</i> L.	spreading dogbane	Apocynaceae
APOCAN	<i>Apocynum cannabinum</i> L.	Indianhemp	Apocynaceae
AQUFOR	<i>Aquilegia formosa</i> Fisch. ex DC.	western columbine	Ranunculaceae
ARAGLA	<i>Arabis glabra</i> (L.) Bernh.	tower rockcress	Brassicaceae
ARCMIN	<i>Arctium minus</i> Bernh.	lesser burdock	Asteraceae
ARCPAT	<i>Arctostaphylos patula</i> Greene	greenleaf manzanita	Ericaceae
ARECON	<i>Arenaria congesta</i> Nutt.	ballhead sandwort	Caryophyllaceae
ARESER	<i>Arenaria serpyllifolia</i> L.	thymeleaf sandwort	Caryophyllaceae
ARRELA	<i>Arrhenatherum elatius</i> (L.) Beauv. ex J. & K. Presl	tall oatgrass	Poaceae
ARTDOU	<i>Artemisia douglasiana</i> Bess.	Douglas' sagewort	Asteraceae
ARTTRI	<i>Artemisia tridentata</i> Nutt.	big sagebrush	Asteraceae
ASCCOR	<i>Asclepias cordifolia</i> (Benth.) Jepson	heartleaf milkweed	Asclepiadaceae
ASCERI	<i>Asclepias eriocarpa</i> Benth.	woollypod milkweed	Asclepiadaceae
ASCFAS	<i>Asclepias fascicularis</i> Dcne.	Mexican whorled milkweed	Asclepiadaceae
Asclep	<i>Asclepias</i> sp.		Asclepiadaceae
ASCSP	<i>Asclepias speciosa</i> Torr.	showy milkweed	Asclepiadaceae
ASTAPP	<i>Astragalus applegatei</i> M.E. Peck	Applegate's milkvetch	Fabaceae
ASTEAT	<i>Aster eatonii</i> (Gray) T.J. Howell	>>Symphyotrichum eatonii	Asteraceae
Aster	<i>Aster</i> L.	aster	Asteraceae
ASTOCC	<i>Aster occidentalis</i> (Nutt.) Torr. & Gray	>>Symphyotrichum spathulatum var. spathulatum	Asteraceae
ATHFEL	<i>Athyrium filix-femina</i> (L.) Roth	common ladyfern	Dryopteridaceae
ATHPUS	<i>Atriplex pusilla</i> (Torr. ex S. Wats.) S. Wats.	smooth saltbush	Chenopodiaceae
ATRARG	<i>Atriplex argentea</i> Nutt.	silverscale saltbush	Chenopodiaceae
ATRHAS			
Atrip	<i>Atriplex</i> sp.		Chenopodiaceae
ATRPAT	<i>Atriplex patula</i> L.	spear saltbush	Chenopodiaceae
AVEBAR	<i>Avena barbata</i> Pott ex Link	slender oat	Poaceae
Avena	<i>Avena</i> sp.		Poaceae
AZOFIL	<i>Azolla filiculoides</i> Lam.	Pacific mosquitofern	Azollaceae
BALDEL	<i>Balanites</i> Del.	balanites	Zygophyllaceae
BALSAG	<i>Balsamorhiza sagittata</i> (Pursh) Nutt.	arrowleaf balsamroot	Asteraceae
BARORT	<i>Barbarea orthoceras</i> Ledeb.	American yellowrocket	Brassicaceae

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Scientific and common names associated with species codes.

Code	Scientific name	Common name/Accepted name(for synonyms)	Family
BASHYS	<i>Bassia hyssopifolia</i> (Pallas) Kuntz	fivehorn smotherweed	Chenopodiaceae
BECSYZ	<i>Beckmannia syzigachne</i> (Steud.) Fern.	American sloughgrass	Poaceae
BERAQU	<i>Berberis aquifolium</i> Pursh	>>Mahonia aquifolium	Berberidaceae
BETOCC	<i>Betula occidentalis</i> Hook.	water birch	Betulaceae
BIDCER	<i>Bidens cernua</i> L.	nodding beggartick	Asteraceae
BIDFRO	<i>Bidens frondosa</i> L.	devil's beggartick	Asteraceae
BLESCA	<i>Blepharipappus scaber</i> Hook.	rough eyelashweed	Asteraceae
BRANIG	<i>Brassica nigra</i> (L.) W.D.J. Koch	black mustard	Brassicaceae
BRARAP	<i>Brassica rapa</i> L.	field mustard	Brassicaceae
BROCAP	<i>Brodiaea capitata</i> Benth.	>>Dichelostemma capitatum ssp. capitatum	Liliaceae
BROCAR	<i>Bromus carinatus</i> Hook. & Arn.	California brome	Poaceae
BROCIL	<i>Bromus ciliatus</i> L.	fringed brome	Poaceae
BRODIA	<i>Bromus diandrus</i> Roth	ripgut brome	Poaceae
BROHOR	<i>Bromus hordeaceus</i> L.	soft brome	Poaceae
BROJAP	<i>Bromus japonicus</i> Thunb. ex Murr.	Japanese brome	Poaceae
BROMAD	<i>Bromus madritensis</i> L.	compact brome	Poaceae
Bromus	<i>Bromus</i> sp. Perennial		Poaceae
BRORUB	<i>Bromus rubens</i> L.	red brome	Poaceae
BROTEC	<i>Bromus tectorum</i> L.	cheatgrass	Poaceae
CALDEC	<i>Calophanes decumbens</i> Gray	>>Dyschoriste decumbens	Acanthaceae
CALDEN	<i>Calamagrostis densa</i> Vasey	>>Calamagrostis koelerioides	Poaceae
CALGRE	<i>Calochortus greenei</i> S. Wats.	Greene's mariposa lily	Liliaceae
CALTRU	<i>Calycadenia truncata</i> DC.	Oregon western rosinweed	Asteraceae
Calyst	<i>Calystegia</i> sp.		Convolvulaceae
CARATH	<i>Carex atherodes</i> Spreng.	wheat sedge	Cyperaceae
CARDRA	<i>Cardaria draba</i> (L.) Desv.	whitetop	Brassicaceae
CARECH	<i>Carex echinata</i> Murr.	star sedge	Cyperaceae
CARELE	<i>Carex eleocharis</i> Bailey	>>Carex duriuscula	Cyperaceae
Carex	<i>Carex</i> L.	sedge	Cyperaceae
CARLAN	<i>Carex lanuginosa</i> auct. non Michx.	>>Carex pellita	Cyperaceae
CARMUL	<i>Carex multicaulis</i> Bailey	manystem sedge	Cyperaceae
CARNEB	<i>Carex nebrascensis</i> Dewey	Nebraska sedge	Cyperaceae
CAROLI	<i>Carex oligocarpa</i> Schkuhr ex Willd.	richwoods sedge	Cyperaceae
CARROS	<i>Carex rossii</i> Boott	Ross' sedge	Cyperaceae
CARSTI	<i>Carex stipata</i> Muhl. ex Willd.	owlfruit sedge	Cyperaceae
CASMIN	<i>Castilleja miniata</i> Dougl. ex Hook.	giant red Indian paintbrush	Scrophulariaceae
CEACUN	<i>Ceanothus cuneatus</i> (Hook.) Nutt.	buckbrush	Rhamnaceae
CEAINT	<i>Ceanothus intermedius</i> Pursh	>>Ceanothus americanus	Rhamnaceae
CEAPRO	<i>Ceanothus prostratus</i> Benth.	squawcarpet	Rhamnaceae
Cenchr	<i>Cenchrus</i> sp.	sandbur	Poaceae
CENSOL	<i>Centaurea solstitialis</i> L.	yellow star-thistle	Asteraceae
CENSQU	<i>Centaurea squarrosa</i> Willd.	>>Centaurea triumfettii	Asteraceae
Centa2	<i>Centaurium</i> Hill	centaury	Gentianaceae
CERBET	<i>Cercocarpus betuloides</i> Nutt.	>>Cercocarpus montanus var. glaber	Rosaceae
CERDEM	<i>Ceratophyllum demersum</i> L.	coon's tail	Ceratophyllaceae
CERLED	<i>Cercocarpus ledifolius</i> Nutt.	curl-leaf mountain mahogany	Rosaceae
CHEALB	<i>Chenopodium album</i> L.	lambsquarters	Chenopodiaceae
CHEAMB	<i>Chenopodium ambrosioides</i> L.	Mexican tea	Chenopodiaceae
CHRLEU	<i>Chrysanthemum leucanthemum</i> L.	>>Leucanthemum vulgare	Asteraceae
CHRNAU	<i>Chrysothamnus nauseosus</i> (Pallas ex Pursh) Britt.	>>Ericameria nauseosa ssp. nauseosa var. nauseosa	Asteraceae
CHRVIS	<i>Chrysopsis viscida</i> (Gray) Greene	>>Heterotheca viscida	Asteraceae
CICDOU	<i>Cicuta douglasii</i> (DC.) Coult. & Rose	western water hemlock	Apiaceae
CICINT	<i>Cichorium intybus</i> L.	chicory	Asteraceae
CIRARV	<i>Cirsium arvense</i> (L.) Scop.	Canada thistle	Asteraceae
CIRCYM	<i>Cirsium cymosum</i> (Greene) J.T. Howell	peregrine thistle	Asteraceae
CIROCC	<i>Cirsium occidentale</i> (Nutt.) Jepson	cobwebby thistle	Asteraceae
CIRVUL	<i>Cirsium vulgare</i> (Savi) Ten.	bull thistle	Asteraceae
CLARHO	<i>Clarkia rhomboidea</i> Dougl. ex Hook.	diamond clarkia	Onagraceae
Clarki	<i>Clarkia</i> sp.		Onagraceae
CLELIG	<i>Clematis ligusticifolia</i> Nutt.	western white clematis	Ranunculaceae
COLGRA	<i>Collinsia grandiflora</i> Lindl.	giant blue eyed Mary	Scrophulariaceae
COLPAR	<i>Collinsia parviflora</i> Lindl.	maiden blue eyed Mary	Scrophulariaceae
CONARV	<i>Convolvulus arvensis</i> L.	field bindweed	Convolvulaceae
CONCAN	<i>Conradina canescens</i> Gray	false rosemary	Lamiaceae
CONMAC	<i>Conium maculatum</i> L.	poison hemlock	Apiaceae
CORGLA	<i>Cordia glabra</i> auct. non L.	>>Cordia alliodora	Boraginaceae

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CORSER	<i>Cornus sericea</i> L.	redosier dogwood	Cornaceae
CRADOU	<i>Crataegus douglasii</i> Lindl.	black hawthorn	Rosaceae
CREACU	<i>Crepis acuminata</i> Nutt.	tapertip hawksbeard	Asteraceae
Crepis	<i>Crepis</i> sp.	hawksbeard	Asteraceae
CUSSAL	<i>Cuscuta salina</i> Engelm.	saltmarsh dodder	Cuscutaceae
CYNECH	<i>Cynosurus echinatus</i> L.	bristly dogstail grass	Poaceae
CYPERA	<i>Cyperus eragrostis</i> Lam.	tall flatsedge	Cyperaceae
DACGLO	<i>Dactylis glomerata</i> L.	orchardgrass	Poaceae
Dactyl	<i>Dactylis</i> sp.		Poaceae
DAUCAR	<i>Daucus carota</i> L. ssp. <i>carota</i>	wild carrot	Apiaceae
DAUPUS	<i>Daucus pusillus</i> Michx.	American wild carrot	Apiaceae
Descur	<i>Descurainia</i> sp.	tansy mustard	Brassicaceae
DESDAN	<i>Deschampsia danthonioides</i> (Trin.) Munro	annual hairgrass	Poaceae
DESELO	<i>Deschampsia elongata</i> (Hook.) Munro	slender hairgrass	Poaceae
DESPIN	<i>Descurainia pinnata</i> (Walt.) Britt.	western tansymustard	Brassicaceae
Dianth	<i>Dianthus</i> sp.		Caryophyllaceae
DICCAP	<i>Dichelostemma capitatum</i> (Benth.) Wood	bluedicks	Liliaceae
DIGSAN	<i>Digitaria sanguinalis</i> (L.) Scop.	hairy crabgrass	Poaceae
Dipsac	<i>Dipsacus</i> sp.	teasel	Dipsacaceae
DIPSYL	<i>Dipsacus sylvestris</i> Huds.	>> <i>Dipsacus fullonum</i> ssp. <i>sylvestris</i>	Dipsacaceae
DISSPI	<i>Distichlis spicata</i> (L.) Greene	inland saltgrass	Poaceae
DRAVER	<i>Draba verna</i> L.	spring draba	Brassicaceae
ECHCRU	<i>Echinochloa crus-galli</i> (L.) Beauv.	barnyardgrass	Poaceae
Echino	<i>Echinochloa</i> sp.		Poaceae
ELEACI	<i>Eleocharis acicularis</i> (L.) Roemer & J.A. Schultes	needle spikerush	Cyperaceae
ELEMAC	<i>Eleocharis macrostachya</i> Britt.	>> <i>Eleocharis palustris</i>	Cyperaceae
Eleoch	<i>Eleocharis</i> sp.		Cyperaceae
ELOCAN	<i>Elodea canadensis</i> Michx.	Canadian waterweed	Hydrocharitaceae
Elodea	<i>Elodea</i> sp.		Hydrocharitaceae
ELYELY	<i>Elymus elymoides</i> (Raf.) Swezey	squirreltail	Poaceae
ELYGLA	<i>Elymus glaucus</i> Buckl.	blue wildrye	Poaceae
ELYINT	<i>Elymus interruptus</i> auct. non Buckl.	>> <i>Elymus diversiglumis</i>	Poaceae
Elymus	<i>Elymus</i> sp.		Poaceae
ELYPON	<i>Elytrigia pontica</i> (Podp.) Holub	>> <i>Thinopyrum ponticum</i>	Poaceae
Elytri	<i>Elytrigia</i> sp.		Poaceae
EPIBRA	<i>Epilobium brachycarpum</i> K. Presl	tall annual willowherb	Onagraceae
EPICIL	<i>Epilobium ciliatum</i> Raf.	fringed willowherb	Onagraceae
EPIDEN	<i>Epilobium densiflorum</i> (Lindl.) Hoch & Raven	denseflower willowherb	Onagraceae
EQUARV	<i>Equisetum arvense</i> L.	field horsetail	Equisetaceae
EQUHYE	<i>Equisetum hyemale</i> L.	scouringrush horsetail	Equisetaceae
Equise	<i>Equisetum</i> sp.		Equisetaceae
EQUTEL	<i>Equisetum telmateia</i> Ehrh.	giant horsetail	Equisetaceae
Eragro	<i>Eragrostis</i> sp.	lovegrass	Poaceae
ERESET	<i>Eremocarpus setigerus</i> (Hook.) Benth.	>> <i>Croton setigerus</i>	Euphorbiaceae
ERIANN	<i>Erigeron annuus</i> (L.) Pers.	eastern daisy fleabane	Asteraceae
ERIBLO	<i>Ericameria bloomeri</i> (Gray) J.F. Macbr.	Bloom's ericameria	Asteraceae
ERICAL	<i>Erigeron calvus</i> Coville	bald fleabane	Asteraceae
Ericam	<i>Ericameria</i> sp.	goldenbush	Asteraceae
ERIELA	<i>Eriogonum elatum</i> Dougl. ex Benth.	tall woolly buckwheat	Polygonaceae
ERIINO	<i>Erigeron inornatus</i> (Gray) Gray	California rayless fleabane	Asteraceae
ERILAN	<i>Erigeron lanatus</i> Hook.	woolly fleabane	Asteraceae
ERILIN	<i>Eriocaulon lineare</i> Small	narrow pipewort	Eriocaulaceae
ERINUD	<i>Erigeron nudiflorus</i> Buckl.	>> <i>Erigeron flagellaris</i>	Asteraceae
ERISIC	<i>Erodium cicutarium</i> (L.) L'Hér. ex Ait.	redstem stork's bill	Geraniaceae
ERIUMB	<i>Eriogonum umbellatum</i> Torr.	sulphur-flower buckwheat	Polygonaceae
ERIVIM	<i>Eriogonum vimineum</i> Dougl. ex Benth.	wickerstem buckwheat	Polygonaceae
EROCIC	<i>Erodium ciconium</i> (L.) L'Hér. ex Ait.	common stork's bill	Geraniaceae
ERYALI	<i>Eryngium alismifolium</i> Greene	Modoc eryngo	Apiaceae
ESCCAL	<i>Eschscholzia californica</i> Cham.	California poppy	Papaveraceae
EUPOCC	<i>Eupatorium occidentale</i> Hook.	>> <i>Ageratina occidentalis</i>	Asteraceae
EUPPOL	<i>Eupatorium polyodon</i> Urban	>> <i>Koanophyllon polyodon</i>	Asteraceae
EUTOCC	<i>Euthamia occidentalis</i> Nutt.	western goldentop	Asteraceae
FESARU	<i>Festuca arundinacea</i> Schreb.	>> <i>Lolium arundinaceum</i>	Poaceae
FESIDA	<i>Festuca idahoensis</i> Elmer	Idaho fescue	Poaceae
FESMIC	<i>Festuca microstachys</i> Nutt.	>> <i>Vulpia microstachys</i> var. <i>microstachys</i>	Poaceae
FESOCC	<i>Festuca occidentalis</i> Hook.	western fescue	Poaceae

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FESPRA	<i>Festuca pratensis</i> Huds.	>>Lolium pratense	Poaceae
Festuc	<i>Festuca</i> sp.		Poaceae
FOEVUL	<i>Foeniculum vulgare</i> P. Mill.	sweet fennel	Apiaceae
FRALAT	<i>Fraxinus latifolia</i> Benth.	Oregon ash	Oleaceae
FRAVES	<i>Fragaria vesca</i> L.	woodland strawberry	Rosaceae
FRAVIR	<i>Fragaria virginiana</i> Duchesne	Virginia strawberry	Rosaceae
GALAPA	<i>Galium aparine</i> L.	stickywilly	Rubiaceae
GALBOL	<i>Galium bolanderi</i> Gray	Bolander's bedstraw	Rubiaceae
GALCAL	<i>Galium californicum</i> Hook. & Arn.	California bedstraw	Rubiaceae
Galium	<i>Galium</i> sp.		Rubiaceae
GALPAR	<i>Galium parisiense</i> L.	wall bedstraw	Rubiaceae
GALTRI	<i>Galium tricornutum</i> Dandy	roughfruit corn bedstraw	Rubiaceae
GARFRE	<i>Garrya fremontii</i> Torr.	bearbrush	Garryaceae
GEUMAC	<i>Geum macrophyllum</i> Willd.	largeleaf avens	Rosaceae
GILCAP	<i>Gilia capitata</i> Sims	bluehead gilia	Polemoniaceae
Gnapha	<i>Gnaphalium</i> sp.		Asteraceae
GRINAN	<i>Grindelia nana</i> Nutt.	Idaho gumweed	Asteraceae
HELANN	<i>Helianthus annuus</i> L.	common sunflower	Asteraceae
HELAUT	<i>Helenium autumnale</i> L.	common sneezeweed	Asteraceae
Heleni	<i>Helenium</i> sp.		Asteraceae
HERLAN	<i>Heracleum lanatum</i> Michx.	>>Heracleum maximum	Apiaceae
HESMIC	<i>Hesperolinon micranthum</i> (Gray) Small	smallflower dwarf-flax	Linaceae
HIEALB	<i>Hieracium albiflorum</i> Hook.	white hawkweed	Asteraceae
HIRINC	<i>Hirschfeldia incana</i> (L.) Lagrèze-Fossat	shortpod mustard	Brassicaceae
HOLDIS	<i>Holodiscus discolor</i> (Pursh) Maxim.	oceanspray	Rosaceae
HOLLAN	<i>Holcus lanatus</i> L.	common velvetgrass	Poaceae
HORBRA	<i>Hordeum brachyantherum</i> Nevski	meadow barley	Poaceae
HORDAU	<i>Horkelia daucifolia</i> (Greene) Rydb.	carrotleaf horkelia	Rosaceae
Hordeu	<i>Hordeum</i> sp.		Poaceae
HORJUB	<i>Hordeum jubatum</i> L.	foxtail barley	Poaceae
HORVUL	<i>Hordeum vulgare</i> L.	common barley	Poaceae
HYPFOR	<i>Hypericum formosum</i> Kunth ssp. <i>scouleri</i> (Hook.) C.L. Hitchc.	>>Hypericum scouleri ssp. <i>scouleri</i>	Clusiaceae
HYPPER	<i>Hypericum perforatum</i> L.	common St. Johnswort	Clusiaceae
ISATIN	<i>Isatis tinctoria</i> L.	Dyer's woad	Brassicaceae
JUGCAL	<i>Juglans californica</i> S. Wats.	Southern California walnut	Juglandaceae
JUNBAL	<i>Juncus balticus</i> Willd.	Baltic rush	Juncaceae
Juncus	<i>Juncus</i> sp.		Juncaceae
JUNEFF	<i>Juncus effusus</i> L.	common rush	Juncaceae
JUNENS	<i>Juncus ensifolius</i> Wikstr.	swordleaf rush	Juncaceae
JUNOCC	<i>Juncus occidentalis</i> Wieg.	western rush	Juncaceae
JUNORT	<i>Juncus orthophyllus</i> Coville	straightleaf rush	Juncaceae
JUNTEN	<i>Juncus tenuis</i> Willd.	poverty rush	Juncaceae
JUNXIP	<i>Juncus xiphioides</i> E. Mey.	irisleaf rush	Juncaceae
KELGAL	<i>Kelloggia galioides</i> Torr.	milk kelloggia	Rubiaceae
KOECRI	<i>Koeleria cristata</i> auct. p.p. non Pers.	>>Koeleria macrantha	Poaceae
LACSER	<i>Lactuca serriola</i> L.	prickly lettuce	Asteraceae
LACVIR	<i>Lactuca virosa</i> L.	bitter lettuce	Asteraceae
LAGRAM	<i>Lagophylla ramosissima</i> Nutt.	branched lagophylla	Asteraceae
LAMAMP	<i>Lamium amplexicaule</i> L.	henbit deadnettle	Lamiaceae
Lathyr	<i>Lathyrus</i> sp.		Fabaceae
LATVES	<i>Lathyrus vestitus</i> Nutt.	Pacific pea	Fabaceae
LEEORY	<i>Leersia oryzoides</i> (L.) Sw.	rice cutgrass	Poaceae
LEMMIN	<i>Lemna minor</i> L.	common duckweed	Lemnaceae
LEPCAM	<i>Lepidium campestre</i> (L.) Ait. f.	field pepperweed	Brassicaceae
LEPNIT	<i>Lepidium nitidum</i> Nutt.	shining pepperweed	Brassicaceae
LEUVUL	<i>Leucanthemum vulgare</i> Lam.	oxeye daisy	Asteraceae
LEYTRI	<i>Leymus triticoides</i> (Buckl.) Pilger	beardless wildrye	Poaceae
LIGCAL	<i>Ligusticum californicum</i> Coult. & Rose	California licorice-root	Apiaceae
LILCOL	<i>Lilium columbianum</i> hort. ex Baker	Columbian lily	Liliaceae
LILPAR	<i>Lilium parryi</i> S. Wats.	lemon lily	Liliaceae
LINBIC	<i>Linanthus bicolor</i> (Nutt.) Greene	true babystars	Polemoniaceae
LINBIE	<i>Linum bienne</i> P. Mill.	pale flax	Linaceae
Linum	<i>Linum</i> L.	flax	Linaceae
LOLMUL	<i>Lolium multiflorum</i> Lam.	>>Lolium perenne ssp. <i>multiflorum</i>	Poaceae
LOLPER	<i>Lolium perenne</i> L.	perennial ryegrass	Poaceae
LOMCAL	<i>Lomatium californicum</i> (Nutt.) Mathias & Constance	California lomatium	Apiaceae

Appendix Table 2B-1

Scientific and common names associated with species codes.

Code	Scientific name	Common name/Accepted name(for synonyms)	Family
LOMDIS	<i>Lomatium dissectum</i> (Nutt.) Mathias & Constance	fernleaf biscuitroot	Apiaceae
LOMMAC	<i>Lomatium macrocarpum</i>	large-seeded lomatium	Apiaceae
LOMNUD	<i>Lomatium nudicaule</i> (Pursh) Coult. & Rose	barestem biscuitroot	Apiaceae
LOMTRI	<i>Lomatium triternatum</i> (Pursh) Coult. & Rose	nineleaf biscuitroot	Apiaceae
LOMUTR	<i>Lomatium utriculatum</i> (Nutt. ex Torr. & Gray) Coult. & Rose	common lomatium	Apiaceae
LOMVAG	<i>Lomatium vaginatum</i> Coult. & Rose	broadsheath desertparsley	Apiaceae
LONCIL	<i>Lonicera ciliosa</i> (Pursh) Poir. ex DC.	orange honeysuckle	Caprifoliaceae
LONHIS	<i>Lonchitis hirsuta</i> L.	tomato fern	Dennstaedtiaceae
Lonice	<i>Lonicera</i> sp.		Caprifoliaceae
LONINT	<i>Lonicera interrupta</i> Benth.	chaparral honeysuckle	Caprifoliaceae
LONINV	<i>Lonicera involucrata</i> Banks ex Spreng.	twinberry honeysuckle	Caprifoliaceae
LOTCOR	<i>Lotus corniculatus</i> L.	birdfoot deervetch	Fabaceae
LOTORA	<i>Lotus crassifolius</i> (Benth.) Greene	big deervetch	Fabaceae
LOTHUM	<i>Lotus humistratus</i> Greene	foothill deervetch	Fabaceae
LOTOBL	<i>Lotus oblongifolius</i> (Benth.) Greene	streambank bird's-foot trefoil	Fabaceae
LOTPUR	<i>Lotus purshianus</i> F.E. & E.G. Clem.	>>Lotus unifoliolatus var. unifoliolatus	Fabaceae
Lotus	<i>Lotus</i> sp.		Fabaceae
LOTWRA	<i>Lotus wrangelianus</i> Fisch. & C.A. Mey.	Chilean bird's-foot trefoil	Fabaceae
LUDPEP	<i>Ludwigia peploides</i> (Kunth) Raven	floating primrose-willow	Onagraceae
Ludwig	<i>Ludwigia</i> sp.		Onagraceae
LUPARB	<i>Lupinus arbustus</i> Dougl. ex Lindl.	longspur lupine	Fabaceae
LUPARG	<i>Lupinus argenteus</i> Pursh	silvery lupine	Fabaceae
LUPBIC	<i>Lupinus bicolor</i> Lindl.	miniature lupine	Fabaceae
LUPMIC	<i>Lupinus microcarpus</i> Sims	>>Lupinus subvexus var. subvexus	Fabaceae
Lycopu	<i>Lycopus</i> sp.	bugleweed	Lamiaceae
MACCAN	<i>Machaeranthera canescens</i> (Pursh) Gray	hoary tansyaster	Asteraceae
MADELE	<i>Madia elegans</i> D. Don ex Lindl.	common madia	Asteraceae
MADGRA	<i>Madia gracilis</i> (Sm.) Keck & J. Clausen ex Applegate	grassy tarweed	Asteraceae
Madia	<i>Madia</i> sp.		Asteraceae
MADMIN	<i>Madia minima</i> (Gray) Keck	oppositeleaved tarweed	Asteraceae
MALNEG	<i>Malva neglecta</i> Wallr.	common mallow	Malvaceae
MALPAR	<i>Malva parviflora</i> L.	cheeseweed mallow	Malvaceae
Malus	<i>Malus</i> P. Mill.	apple	Rosaceae
Marah	<i>Marah</i> sp.		Cucurbitaceae
Medica	<i>Medicago</i> sp.		Fabaceae
MEDLUP	<i>Medicago lupulina</i> L.	black medick	Fabaceae
MEDPOL	<i>Medicago polycarpa</i> Willd.	>>Medicago polymorpha	Fabaceae
MEDSAT	<i>Medicago sativa</i> L.	alfalfa	Fabaceae
MELALB	<i>Melilotus alba</i> Medikus	white sweetclover	Fabaceae
MELHAR	<i>Melica harfordii</i> Boland.	Harford's oniongrass	Poaceae
MELIND	<i>Melochia indica</i> Kurz	>>Melochia umbellata	Sterculiaceae
MENALB	<i>Mentzelia albescens</i> (Gillies & Arn.) Griseb.	wavyleaf blazingstar	Loasaceae
MENARV	<i>Mentha arvensis</i> L.	wild mint	Lamiaceae
MENDIS	<i>Mentzelia dispersa</i> S. Wats.	bushy blazingstar	Loasaceae
MENPIP	<i>Mentha piperita</i> L. ssp. <i>citrata</i> (Ehrh.) Briq.	>>Mentha aquatica	Lamiaceae
MENSPI	<i>Menodora spinescens</i> Gray	spiny menodora	Oleaceae
Mentha	<i>Mentha</i> sp.	mint	Lamiaceae
MICNUT	<i>Microseris nutans</i> (Hook.) Schultz-Bip.	nodding microceris	Asteraceae
MIMGUT	<i>Mimulus guttatus</i> DC.	seep monkeyflower	Scrophulariaceae
MONODO	<i>Monardella odoratissima</i> Benth.	mountain monardella	Lamiaceae
MUHFIL	<i>Muhlenbergia filiculmis</i> Vasey	slimstem muhly	Poaceae
MUHRIC	<i>Muhlenbergia richardsonii</i> (Trin.) Rydb.	mat muhly	Poaceae
MYOLAT	<i>Myosotis latifolia</i> Poir.	broadleaf forget-me-not	Boraginaceae
MYOLAX	<i>Myosotis laxa</i> Lehm.	bay forget-me-not	Boraginaceae
Myosot	<i>Myosotis</i> sp.		Boraginaceae
NAVINT	<i>Navarretia intertexta</i> (Benth.) Hook.	needleleaf navarretia	Polemoniaceae
NEPCAT	<i>Nepeta cataria</i> L.	catnip	Lamiaceae
NITOC	<i>Nitrophila occidentalis</i> (Moq.) S. Wats.	boraxweed	Chenopodiaceae
OENBIE	<i>Oenothera biennis</i> L. ssp. <i>austromontana</i> Munz	>>Oenothera nutans	Onagraceae
ONOACA	<i>Onopordum acanthium</i> L.	Scotch cottonthistle	Asteraceae
ORTLUT	<i>Orthocarpus luteus</i> Nutt.	yellow owl's-clover	Scrophulariaceae
OSMCHI	<i>Osmorhiza chilensis</i> Hook. & Arn.	>>Osmorhiza berteroi	Apiaceae
OSMOCC	<i>Osmorhiza occidentalis</i> (Nutt. ex Torr. & Gray) Torr.	western sweetroot	Apiaceae
Osmorh	<i>Osmorhiza</i> sp.		Apiaceae
PAEBRO	<i>Paeonia brownii</i> Dougl. ex Hook.	Brown's peony	Paeoniaceae
PANCAP	<i>Panicum capillare</i> L. ssp. <i>barbipulvinatum</i> (Nash) Tzvelev	>>Panicum capillare	Poaceae

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Scientific and common names associated with species codes.

Code	Scientific name	Common name/Accepted name(for synonyms)	Family
Panicu	<i>Panicum</i> sp.		Poaceae
PANOCC	<i>Panicum occidentale</i> Scribn.	>>Dichanthelium acuminatum var. fasciculatum	Poaceae
PASDIS	<i>Paspalum distichum</i> L. var. <i>indutum</i> Shinnars	>>Paspalum distichum	Poaceae
Paspal	<i>Paspalum</i> sp.		Poaceae
PAXMYR	<i>Paxistima myrsinites</i> (Pursh) Raf.	Oregon boxleaf	Celastraceae
PEDDEN	<i>Pedicularis densiflora</i> Benth. ex Hook.	Indian warrior	Scrophulariaceae
PENDEU	<i>Penstemon deustus</i> Dougl. ex Lindl.	scabland penstemon	Scrophulariaceae
PENHET	<i>Penstemon heterodoxus</i> Gray	Sierra beardtongue	Scrophulariaceae
PENSPE	<i>Penstemon speciosus</i> Dougl. ex Lindl.	royal penstemon	Scrophulariaceae
PERHOW	<i>Perideridia howellii</i> (Coul. & Rose) Mathias	Howell's yampah	Apiaceae
PERORE	<i>Perideridia oregana</i> (S. Wats.) Mathias	squaw potato	Apiaceae
PHAARU	<i>Phalaroides arundinacea</i> (L.) Raeusch.	reed canarygrass	Poaceae
PHAHET	<i>Phacelia heterophylla</i> Pursh	varileaf phacelia	Hydrophyllaceae
PHARAC	<i>Phacelia racemosa</i> (Kellogg) Brandeg.	racemose phacelia	Hydrophyllaceae
PHARAM	<i>Phacelia ramosissima</i> Dougl. ex Lehm.	branching phacelia	Hydrophyllaceae
PHILEW	<i>Philadelphus lewisii</i> Pursh	Lewis' mock orange	Philadelphaceae
PHLGRA	<i>Phlox gracilis</i> (Hook.) Greene	slender phlox	Polemoniaceae
Phlox	<i>Phlox</i> sp.		Polemoniaceae
PHLPRA	<i>Phleum pratense</i> L.	timothy	Poaceae
PHLSPE	<i>Phlox speciosa</i> Pursh	showy phlox	Polemoniaceae
PHODEN	<i>Phoradendron densum</i> Torr. ex Trel.	dense mistletoe	Viscaceae
PHOVIL	<i>Phoradendron villosum</i> (Nutt.) Nutt.	Pacific mistletoe	Viscaceae
PHYCAP	<i>Physocarpus capitatus</i> (Pursh) Kuntze	Pacific ninebark	Rosaceae
Physoc	<i>Physocarpus</i> sp.		Rosaceae
PINLAM	<i>Pinus lambertiana</i> Dougl.	sugar pine	Pinaceae
PINMON	<i>Pinus monophylla</i> Torr. & Frém.	singleleaf pinyon	Pinaceae
PINPON	<i>Pinus ponderosa</i> P. & C. Lawson	ponderosa pine	Pinaceae
PLALAN	<i>Plantago lanceolata</i> L.	narrowleaf plantain	Plantaginaceae
PLAMAJ	<i>Plantago major</i> L.	common plantain	Plantaginaceae
Planta	<i>Platanus</i> sp.		Plantanaceae
PLECIL	<i>Plectritis ciliosa</i> (Greene) Jepson	longspur seablush	Valerianaceae
Poa	<i>Poa</i> sp.		Poaceae
POABUL	<i>Poa bulbosa</i> L.	bulbous bluegrass	Poaceae
POACOM	<i>Poa compressa</i> L.	Canada bluegrass	Poaceae
POAPAL	<i>Poa palustris</i> L.	fowl bluegrass	Poaceae
POAPRA	<i>Poa pratensis</i> L.	Kentucky bluegrass	Poaceae
POASEC	<i>Poa secunda</i> J. Presl	Sandberg bluegrass	Poaceae
POLAMP	<i>Polygonum amphibium</i> L.	water knotweed	Polygonaceae
POLARE	<i>Polygonum arenarium</i> Waldst. & Kit.	European knotweed	Polygonaceae
POLDOU	<i>Polygonum douglasii</i> Greene	Douglas' knotweed	Polygonaceae
POLLAP	<i>Polygonum lapathifolium</i> L.	curlytop knotweed	Polygonaceae
POLMON	<i>Polypogon monspeliensis</i> (L.) Desf.	annual rabbitsfoot grass	Poaceae
POLMUN	<i>Polystichum munitum</i> (Kaulfuss) K. Presl	western swordfern	Dryopteridaceae
POLPER	<i>Polygonum persicaria</i> L.	spotted ladythumb	Polygonaceae
POLPOL	<i>Polystichum polystichiforme</i> (Fée) Maxon	Antilles hollyfern	Dryopteridaceae
POLSPA	<i>Polygonum spaethii</i> Dammer	>>Polygonum orientale	Polygonaceae
POPTRI	<i>Populus trichocarpa</i> Torr. & Gray ex Hook.	>>Populus balsamifera ssp. <i>trichocarpa</i>	Salicaceae
Portul	<i>Portulaca</i> sp.		Portulacaceae
Potamo	<i>Potamogeton</i> sp.		Potamogetonaceae
POTANS	<i>Potentilla anserina</i> L.	>>Argentina anserina	Rosaceae
POTCRI	<i>Potamogeton crispus</i> L.	curly pondweed	Potamogetonaceae
POTGLA	<i>Potentilla glandulosa</i> Lindl.	sticky cinquefoil	Rosaceae
POTGRA	<i>Potentilla gracilis</i> Dougl. ex Hook.	slender cinquefoil	Rosaceae
PRUEMA	<i>Prunus emarginata</i> (Dougl. ex Hook.) D. Dietr.	bitter cherry	Rosaceae
PRUSUB	<i>Prunus subcordata</i> Benth.	Klamath plum	Rosaceae
PRUVIR	<i>Prunus virginiana</i> L.	chokecherry	Rosaceae
PRUVUL	<i>Prunella vulgaris</i> L.	common selfheal	Lamiaceae
PSEJAM	<i>Pseudostellaria jamesiana</i> (Torr.) W.A. Weber & R.L. Hartman	tuber starwort	Caryophyllaceae
PSEMEN	<i>Pseudotsuga menziesii</i> (Mirbel) Franco	Douglas-fir	Pinaceae
PSESPI	<i>Pseudoroegneria spicata</i> (Pursh) A. Löve	bluebunch wheatgrass	Poaceae
PURTRI	<i>Purshia tridentata</i> (Pursh) DC.	antelope bitterbrush	Rosaceae
PYRLAN	<i>Pyrus lancifolia</i> (Rehd.) Bailey	>>Malus coronaria var. <i>dasycalyx</i>	Rosaceae
QUEGAR	<i>Quercus garryana</i> Dougl. ex Hook.	Oregon white oak	Fagaceae
QUEKEL	<i>Quercus kelloggii</i> Newberry	California black oak	Fagaceae
RANOCC	<i>Ranunculus occidentalis</i> Nutt.	western buttercup	Ranunculaceae

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Scientific and common names associated with species codes.

Code	Scientific name	Common name/Accepted name(for synonyms)	Family
RANREP	<i>Ranunculus repens</i> L.	creeping buttercup	Ranunculaceae
Ranun2	<i>Ranunculus</i> sp (2)		Ranunculaceae
Ranunc	<i>Ranunculus</i> sp.		Ranunculaceae
RHACAL	<i>Rhamnus californica</i> Eschsch.	>>Frangula californica ssp. californica	Rhamnaceae
RHAILI	<i>Rhacoma ilicifolia</i> (Poir.) Trel.	>>Crossopetalum ilicifolium	Celastraceae
RHARUB	<i>Rhamnus rubra</i> Greene	>>Frangula rubra ssp. rubra	Rhamnaceae
RHUTRI	<i>Rhus trilobata</i> Nutt.	skunkbush sumac	Anacardiaceae
RIBCER	<i>Ribes cereum</i> Dougl.	wax currant	Grossulariaceae
Ribes	<i>Ribes</i> L.	currant	Grossulariaceae
RIBINE	<i>Ribes inerme</i> Rydb.	whitestem gooseberry	Grossulariaceae
RIBROE	<i>Ribes roezlii</i> Regel	Sierra gooseberry	Grossulariaceae
RIBVEL	<i>Ribes velutinum</i> Greene	desert gooseberry	Grossulariaceae
RIBVIS	<i>Ribes viscidulum</i> Berger	>>Ribes cereum var. cereum	Grossulariaceae
RIGLEP	<i>Rigiopappus leptocladus</i> Gray	wireweed	Asteraceae
Roripp	<i>Rorippa</i> sp.		Brassicaceae
RORNAS	<i>Rorippa nasturtium-aquaticum</i> (L.) Hayek	watercress	Brassicaceae
Rosa	<i>Rosa</i> sp.		Rosaceae
ROSCAL	<i>Rosa californica</i> Cham. & Schlecht.	California wildrose	Rosaceae
ROSGYM	<i>Rosa gymnocarpa</i> Nutt.	dwarf rose	Rosaceae
RUBDIS	<i>Rubus discolor</i> Weihe & Nees	Himalayan blackberry	Rosaceae
RUBLAC	<i>Rubus laciniatus</i> Willd.	cutleaf blackberry	Rosaceae
RUBLEU	<i>Rubus leucodermis</i> Dougl. ex Torr. & Gray	whitebark raspberry	Rosaceae
RUBPAR	<i>Rubus parviflorus</i> Nutt.	thimbleberry	Rosaceae
RUBURS	<i>Rubus ursinus</i> Cham. & Schlecht.	California blackberry	Rosaceae
RUMACE	<i>Rumex acetosella</i> L.	common sheep sorrel	Polygonaceae
RUMCRI	<i>Rumex crispus</i> L.	curly dock	Polygonaceae
RUMOCC	<i>Rumex occidentalis</i>	western dock	Polygonaceae
Rumex	<i>Rumex maritimus</i> L.	golden dock	Polygonaceae
RUMSAL	<i>Rumex salicifolius</i> Weinm.	willow dock	Polygonaceae
SALAS	<i>Salix lasiolepis</i> Benth. var. sandbergii (Rydb.) Ball	>>Salix lasiolepis var. lasiolepis	Salicaceae
SALBAB	<i>Salix babylonica</i> auct. non L.	>>Salix ×pendulina	Salicaceae
SALEXI	<i>Salix exigua</i> Nutt.	narrowleaf willow or coyote willow	Salicaceae
SALLAS	<i>Salix lasiolepis</i> Benth.	arroyo willow	Salicaceae
SALLUC	<i>Salix lucida</i> Muhl.	shining willow	Salicaceae
SALSCO	<i>Salix scouleriana</i> Barratt ex Hook.	Scouler's willow	Salicaceae
SAMMEX	<i>Sambucus mexicana</i> K. Presl ex DC.	>>Sambucus nigra ssp. canadensis	Caprifoliaceae
Sanicu	<i>Sanicula</i> sp.		Apiaceae
SANMIN	<i>Sanguisorba minor</i> Scop.	small burnet	Rosaceae
SAPOFF	<i>Saponaria officinalis</i> L.	bouncingbet	Caryophyllaceae
SARVER	<i>Sarcobatus vermiculatus</i> (Hook.) Torr.	greasewood	Chenopodiaceae
SCIACU	<i>Scirpus acutus</i> Muhl. ex Bigelow	>>Schoenoplectus acutus var. acutus	Cyperaceae
SCIFLU	<i>Scirpus fluviatilis</i> (Torr.) Gray	>>Schoenoplectus fluviatilis	Cyperaceae
SCIMAR	<i>Scirpus maritimus</i>		Cyperaceae
SCIMIC	<i>Scirpus microcarpus</i> J. & K. Presl	panicked bulrush	Cyperaceae
SCIPEN	<i>Scirpus pendulus</i> Muhl.	rufous bulrush	Cyperaceae
Scirpu	<i>Scirpus</i> sp. tall greenish		Cyperaceae
SCRCAL	<i>Scrophularia californica</i> Cham. & Schlecht.	California figwort	Scrophulariaceae
SENHYD	<i>Senecio hydrophiloides</i> Rydb.	tall groundwel	Asteraceae
SENINT	<i>Senecio integerrimus</i> Nutt.	lambstongue ragwort	Asteraceae
Sidalc	<i>Sidalcea</i> sp.		Malvaceae
SIDORE	<i>Sidalcea oregana</i> (Nutt. ex Torr. & Gray) Gray	Oregon checkerbloom	Malvaceae
SILCAM	<i>Silene campanulata</i> S. Wats.	Red Mountain catchfly	Caryophyllaceae
SISALT	<i>Sisymbrium altissimum</i> L.	tall tumbledustard	Brassicaceae
SISBEL	<i>Sisyrinchium bellum</i> S. Wats.	western blue-eyed grass	Iridaceae
Sisymb	<i>Sisymbrium</i> sp.		Brassicaceae
SMIRAC	<i>Smilacina racemosa</i> (L.) Desf.	>>Maianthemum racemosum ssp. racemosum	Liliaceae
SMISTE	<i>Smilacina stellata</i> (L.) Desf.	>>Maianthemum stellatum	Liliaceae
Solanu	<i>Solanum</i> sp.		Solanaceae
SOLDUL	<i>Solanum dulcamara</i> L.	climbing nightshade	Solanaceae
SOLXAN	<i>Solanum xanti</i> Gray	chaparral nightshade	Solanaceae
SOLCAN	<i>Solenospora candicans</i> (Dickson) J. Steiner		Bacidiaceae
SONASP	<i>Sonchus asper</i> (L.) Hill	spiny sowthistle	Asteraceae
Sonchu	<i>Sonchus</i> sp.		Asteraceae
SPAEUR	<i>Sparganium eurycarpum</i> Engelm. ex Gray	broadfruit bur-reed	Typhaceae
Spergu	<i>Spergula</i> sp.	spurry	Caryophyllaceae

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Scientific and common names associated with species codes.

Code	Scientific name	Common name/Accepted name(for synonyms)	Family
SPHCAP	Sphagnum capillifolium (Ehrh.) Hedw. var. tenerum (Sull. & Lesq. in Sull. in Gray) Crum	>>Sphagnum tenerum	Sphagnaceae
SPHPOT	Sphaeromeria potentilloides (Gray) Heller	fivefinger chickensage	Asteraceae
SPIDEN	Spilonema dendroides Henssen		Coccocarpiaceae
SPIDOU	Spiraea douglasii Hook.	rose spirea	Rosaceae
STAAJU	Stachys ajugoides Benth.	bugle hedgenettle	Lamiaceae
STEEXI	Stephanomeria exigua Nutt.	small wirelettuce	Asteraceae
STELAC	Stephanomeria lactucina Gray	lettuce wirelettuce	Asteraceae
Stella	Stellaria sp.		Caryophyllaceae
STEMED	Stellaria media (L.) Vill.	common chickweed	Caryophyllaceae
SWEALB	Swertia albicaulis (Dougl. ex Griseb.) Kuntze	>>Fraseria albicaulis var. albicaulis	Gentianaceae
SYMALB	Symphoricarpos albus (L.) Blake	common snowberry	Caprifoliaceae
SYMMOL	Symphoricarpos mollis Nutt.	creeping snowberry	Caprifoliaceae
SYMROT	Symphoricarpos rotundifolius Gray	roundleaf snowberry	Caprifoliaceae
TAECAP	Taeniatherum caput-medusae (L.) Nevski	medusahead	Poaceae
TAROFF	Taraxacum officinale G.H. Weber ex Wiggers	common dandelion	Asteraceae
THEBRA	Thellenella brasiliensis (Mull. Arg.) Vainio		Thelenellaceae
THYCUR	Thysanocarpus curvipes Hook.	sand fringe pod	Brassicaceae
TONTEN	Tonella tenella (Benth.) Heller	lesser baby innocence	Scrophulariaceae
TORNOD	Torilis nodosa (L.) Gaertn.	knotted hedgeparsley	Apiaceae
TOXDIV	Toxicodendron diversilobum (Torr. & Gray) Greene	Pacific poison oak	Anacardiaceae
TRADUB	Tragopogon dubius Scop.	yellow salsify	Asteraceae
TRIALB	Tridens albens (Vasey) Woot. & Standl.	white tridens	Poaceae
TRIAUS	Trichostema austromontanum F.H. Lewis	San Jacinto bluecurls	Lamiaceae
TRICAN	Triticum caninum L.	>>Elymus caninus	Poaceae
TRIDUB	Trifolium dubium Sibthorp	suckling clover	Fabaceae
TRIERI	Trifolium eriocephalum Nutt.	woollyhead clover	Fabaceae
Trifol	Trifolium sp.		Fabaceae
TRIGRA	Trifolium gracilentum Torr. & Gray	pinpoint clover	Fabaceae
TRIHIR	Trifolium hirtum All.	rose clover	Fabaceae
TRIHYA	Triteleia hyacinthina (Lindl.) Greene	white brodiaea	Liliaceae
TRILAN	Trillium lanceolatum (S. Wats.) Boykin ex Small	>>Trillium lancifolium	Liliaceae
TRILAT	Trifolium latifolium (Hook.) Greene	twin clover	Fabaceae
TRILAX	Trichostema laxum Gray	turpentine weed	Lamiaceae
TRIPRA	Trifolium pratense L.	red clover	Fabaceae
TRIREF	Trifolium repens L.	white clover	Fabaceae
Tritic	Triticum sp.		Poaceae
TRIWIL	Trifolium willdenovii Sprengel	>>Trifolium wormskioldii	Fabaceae
TRIWOR	Trifolium wormskioldii Lehm.		Fabaceae
TYPANG	Typha angustifolia L.	narrowleaf cattail	Typhaceae
TYPLAT	Typha latifolia L.	broadleaf cattail	Typhaceae
Ulmus	Ulmus sp.	elm	Ulmaceae
URTDIO	Urtica dioica L.	stinging nettle	Urticaceae
VENDUB	Ventenata dubia (Leers) Coss. & Durieu	North Africa grass	Poaceae
VERAME	Veronica americana Schwein. ex Benth.	American speedwell	Scrophulariaceae
VERANA	Veronica anagallis L.	>>Veronica anagallis-aquatica	Scrophulariaceae
VERBLA	Verbascum blattaria L.	moth mullein	Scrophulariaceae
Veroni	Veronica sp.		Scrophulariaceae
VERPER	Veronica peregrina L.	neckweed	Scrophulariaceae
VERTHA	Verbascum thapsus L.	common mullein	Scrophulariaceae
VICAME	Vicia americana Muhl. ex Willd.	American vetch	Fabaceae
Vicia	Vicia L.	vetch	Fabaceae
Vinca	Vinca L.	periwinkle	Apocynaceae
Viola	Viola L.	violet	Violaceae
VITCAL	Vitis californica Benth.	California wild grape	Vitaceae
VULMIC	Vulpia microstachys (Nutt.) Munro	small fescue	Poaceae
VULMYU	Vulpia myuros (L.) K.C. Gmel.	rat-tail fescue	Poaceae
XANSTR	Xanthium strumarium L.	rough cocklebur	Asteraceae
Zannic	Zannichellia palustris L.	horned pondweed	Zannichelliaceae
ZIGVEN	Zigadenus venenosus S. Wats.	meadow deathcamas	Liliaceae

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Annual Grassland																	
	Iron Gate-Shasta (n=1)		Iron Gate Reservoir (n=4)		Copco No. 2 Bypass (n=1)		Copco Reservoir (n=6)		Fall Creek (n=2)		Peaking Reach (n=5)		J.C. Boyle Bypass (n=1)		Keno Reservoir (n=1)		Frequency
	avg	freq	avg	sd	avg	freq	avg	sd	freq	avg	sd	freq	avg	sd	avg	avg	
TAECAP-h	3	100	3	1.0	4	100	3.7	0.5	100	3.5	2.1	100	4	1.4	1		90
POABUL-h	2	75	2	0.6	3	83	2.6	0.9	100	2	0	75	2	1			71
EPBRA-h		75	1	0.6		83	1.2	0.4	100	1	0	50	1.5	0.7	1	1	67
CENSOL-h	3	100	4	1.0	2	67	3	0.8	100	3	1.4	25	3	NA	1		67
BROJAP-h		75	4	1.2		83	2	0	100	1.5	0.7	75	2	0			62
LAGRAM-h						67	1.8	1.0	100	2	0	25	2	NA	2		38
GALPAR-h		50	2	0.7		50	1.7	0.6	50	1	NA	50	2	0			38
BROTEC-h		50	2	0.7		17			50	1	NA	25	5	NA	4	5	33
LOTPUR-h		50	2	0.7	1	33	2.5	0.7	50	1	NA						29
EROCIC-h		25				17	1		100	2.5	0.7	25	2	NA			24
TORNOD-h		25			1	17	1					50	1.5	0.7			24
ERILAN-h		50	1	0		17	1					25	1	NA	1		24
LEPCAM-h	1					33	1	0				25	2	NA			19
TRIHIR-h	3					50	1.7	0.6									19
BROHOR-h					2	17	1					50	1	0			19
AMSMEN-h		25			1	17	1		50	1	NA						19
ALYALY-h		25				17	1		100	1	0						19
TRADUB-h	1	25				17	1								1		19
RUMCRI-h	1					17	1					25	1	NA			14
PLALAN-h						33	1.5	0.7				25	1	NA			14
CICINT-h					1	33	2	0									14
ANTCOT-h					2	17	1					25	2	NA			14
ARESER-h						33	1	0	50	2	NA						14
ACHMIL-h						17	1					25	2	NA		1	14
ELYGLA-h	1											25	1	NA	1		14
HESMIC-h		50	2	0					50	2	NA						14
ERESET-h		75	1	0.6													14
PSESPI-h	1											25	1	NA			9.5
VERBLA-h						33	1	0									9.5
JUNOCC-s									50	1	NA	25	1	NA			9.5
ELYELY-h						17	1								2		9.5
SISALT-h															4	4	9.5
QUEGAR-h		25				17	1										9.5
AVEBAR-h		25							50	1	NA						9.5
ERINUD-h	1	25															9.5
QUEGAR-t		25				17	1										9.5
LACSER-h		25														3	9.5
JUNOCC-h		25										25	1	NA			9.5
BRANIG-h		50	1	0													9.5
LUPMIC-h		50	2	0.7													9.5
PENHET-h												25	1	NA			4.8
POASEC-h												25	1	NA			4.8
PLECIL-h												25	1	NA			4.8
CONARV-h												25	1	NA			4.8
ASTOCC-h												25	1	NA			4.8
ARRELA-h												25	1	NA			4.8
DESDAN-h												25	1	NA			4.8
Trifol-h												25	1	NA			4.8
CHRNAU-s												25	1	NA			4.8
ARTDOU-h												25	1	NA			4.8
TOXDIV-h												25	1	NA			4.8
RUMSAL-h												25	1	NA			4.8

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Annual Grassland																	
	Iron Gate-Shasta (n=1)		Iron Gate Reservoir (n=4)		Copco No. 2 Bypass (n=1)		Copco Reservoir (n=6)		Fall Creek (n=2)		Peaking Reach (n=5)		J.C. Boyle Bypass (n=1)		Keno Reservoir (n=1)		Frequency
	avg	freq	avg	sd	avg	freq	avg	sd	freq	avg	sd	freq	avg	sd	avg	avg	
EPIDENS-h											25	1	NA				4.8
FRALAT-s											25	1	NA				4.8
POAPRA-h											25	1	NA				4.8
MADGRA-h											25	2	NA				4.8
VERPER-h											25	2	NA				4.8
ERYALI-h											25	2	NA				4.8
JUNTEN-h											25	2	NA				4.8
SIDORE-h											25	2	NA				4.8
MEDSAT-h	1																4.8
HORVUL-h	2																4.8
HIRINC-h	3																4.8
VULMYU-h						17	1										4.8
POLDUO-h						17	1										4.8
CYNECH-h						17	1										4.8
SCUSIP-h						17	1										4.8
TRIDUB-h						17	1										4.8
AMEALN-h						17	1										4.8
QUEGAR-s						17	1										4.8
ASCFAS-h						17	1										4.8
DAUPUS-h									50	1	NA						4.8
CEACUN-s									50	1	NA						4.8
ARTTRI-h																1	4.8
CHRNAU-h																1	4.8
VERTHA-h																1	4.8
LEYTRI-h																1	4.8
ATRPAT-h																1	4.8
Hordeu-h																3	4.8
Madia-h															1		4.8
GILCAP-h															2		4.8
MENDIS-h															3		4.8
RIGLEP-h		25															4.8
Crypta-h		25															4.8
ERIVIM-h		25															4.8
PHAHET-h		25															4.8
RIBVEL-s		25															4.8
MELIND-h		25															4.8
BRODIA-h		25															4.8

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

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Juniper	Iron Gate Reservoir (n=2)			Copco No. 2 Bypass (n=1)			Copcob Reservoir (n=1)			Peaking (n=3)			JC Boyle Bypass (n=2)			Keno Canyon (n=1)			Link River (n=1)			Frequency
	freq	avg	sd	avg	avg	freq	avg	sd	freq	avg	sd	avg	avg	sd	avg	avg						
JUNOCC-t	100	2	0	3	2	100	1.8	0.5	100	2.5	0.7	2	2									100
BROTEC-h	50	2	NA	2	2	100	2	0	100	2	0	3										82
EPIBRA-h	50	1	NA	1		66.67	1.3	0.6	100	1	0	1										64
ELYELY-h					2	100	1.8	0.5	50	1	NA	2	2									64
POABUL-h	50	1	NA	2	4	66.67	2	0	50	1	NA	3										64
PSSEPI-h				3		66.67	1.7	1.2	50	3	NA	2	2									55
QUEGAR-t				2		66.67	1.3	0.6	100	2	0											45
QUEGAR-s				1		100	1	0	50	1	NA											45
CENSOL-h	100	2	0	1	1				50	1	NA											45
JUNOCC-s	50	2	NA	1		33.33						2	1									45
COLPAR-h						66.67	1.5	0.7	100	2	0											36
ALYALY-h					1	66.67	1.3	0.6	50	1	NA											36
TRADUB-h						33.33			50	1	NA	1	1									36
ARESER-h	100	2	0	2	2																	36
BROJAP-h	100	1.5	0.7	2	2																	36
FESIDA-h	50	2	NA	2	1							3										36
COLGRA-h						33.33			100	1	0											27
VULMIC-h						33.33			100	1	0											27
QUEGAR-h				1					100	1	0											27
ACHLEM-h						66.67	2	0	50	2	NA											27
Bgrass-h						66.67	1	0	50	2	NA											27
CERBET-h						66.67	2.5	0.7	50	1	NA											27
JUNOCC-h						66.67	1	0	50	1	NA											27
PHAHET-h						66.67	1	0	50	1	NA											27
PHLGRA-h						66.67	1.5	0.7	50	1	NA											27
PRUSUB-s						33.33			50	1	NA	1										27
AMEALN-s				1					50	2	NA		2									27
AMSMEN-h	50	2	NA	1		33.33																27
BRODIA-h				2	1	33.33																27
TORNOD-h	50	2	NA	2	2																	27
CERBET-s						33.33			50	3	NA											18
CHRNAU-s						33.33	1.5	0.7	50	1	NA											18
CLARHO-h						33.33			50	1	NA											18
GALAPA-h						33.33			50	1	NA											18
GILCAP-h						33.33	1.5	0.7	50	2	NA											18
MENALB-h						33.33			50	1	NA											18

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Juniper														
	Iron Gate Reservoir (n=2)			Copco No. 2 Bypass (n=1)	Copcob Reservoir (n=1)	Peaking (n=3)			JC Boyle Bypass (n=2)			Keno Canyon (n=1)	Link River (n=1)	Frequency
	freq	avg	sd	avg	avg	freq	avg	sd	freq	avg	sd	avg	avg	
Madia-h					1				50	1	NA			18
SISALT-h				2					50	1	NA			18
LOMCAL-h						66.67	2	1						18
POLDOU-h						66.67	1	0						18
ERIUMB-h						33.33						1		18
SYMALB-h						33.33						2		18
Galium-h	100	1	0											18
TAECAP-h	50	4	NA		1									18
TOXDIV-s	50	1	NA	1										18
GALPAR-h				2								1		18
LAGRAM-h				1	1									18
POAPRA-h				1								1		18
RIBVEL-h												1	1	18
AMEALN-h									50	1	NA			9
BALSAG-h									50	1	NA			9
CEAINT-s									50	1	NA			9
ERIINO-h									50	1	NA			9
ERILAN-h									50	1	NA			9
MENDIS-h									50	1	NA			9
PINPON-t									50	1	NA			9
Sanicu-h									50	1	NA			9
ACHOCC-h						33.33								9
AGOGRA-h						33.33								9
BROCAR-h						33.33								9
CEAPRO-h						33.33								9
PENHET-h						33.33								9
PHILEW-h						33.33								9
PHILEW-s						33.33								9
PINLAM-t						33.33								9
Plectr-h						33.33								9
STELAC-h						33.33								9
VERTHA-h						33.33								9
AVEBAR-h	50	2	NA											9
ERINUD-h	50	1	NA											9
ERIVIM-h	50	2	NA											9
EROCIC-h	50	2	NA											9

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

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Juniper														
	Iron Gate Reservoir (n=2)			Copco No. 2 Bypass (n=1)	Copcob Reservoir (n=1)	Peaking (n=3)			JC Boyle Bypass (n=2)			Keno Canyon (n=1)	Link River (n=1)	Frequency
	freq	avg	sd	avg	avg	freq	avg	sd	freq	avg	sd	avg	avg	
LOTPUR-h	50	1	NA											9
SCUSIP-h	50	1	NA											9
RHUTRI-s				3										9
ACHMIL-h				2										9
ANTCAU-h				2										9
ANTCOT-h				1										9
Clarkia-h				1										9
LEPCAM-h				1										9
LOMNUD-h				1										9
PLALAN-h				1										9
RUMCRI-h				1										9
CEACUN-s					3									9
DAUPUS-h					2									9
Achnat-h					1									9
CEACUN-h					1									9
DICCAP-h					1									9
STEEXI-h					1									9
CHRVIS-s												2		9
ERIBLO-h												2		9
PINPON-s												2		9
ARCPAT-s												1		9
CALDEC-s												1		9
CHRNAU-h												1		9
Phacel-h												1		9
ROSGYM-h												1		9
Vicia-h												1		9
ARTTRI-h													3	9
CHRVIS-h													2	9
ELYGLA-h													2	9
Lupinu-h													2	9
NEPCAT-h													1	9
PENSPE-h													1	9
PRUVIR-h													1	9
PRUVIR-s													2	9
PURTRI-s													1	9

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plots in which the species is present.

Montane Hardwood Oak																													
	Iron Gate-Shasta (n=2)				Iron Gate Reservoir (n=4)				Copco No. 2 Bypass (n=2)				Copco Reservoir (n=7)				Fall Creek (n=1)				Peaking (n=8)				JC Boyle Bypass (n=1)				Frequency
	freq.	avg	sd		freq.	avg	sd		freq.	avg	sd		freq.	avg	sd		avg	freq.	avg	sd		avg	freq.	avg	sd		avg		
QUEGAR-t	100	2	0		100	3	0.8		100	3	0		100	3.7	1.1		3	100	3.4	0.7		2	100				2	100	
QUEGAR-h	50	1	NA		50	1.5	0.7		100	1	0		71	1	0		1	75	1	0								68	
POABUL-h	100	2	0		50	2			100	3.5	0.7		71	1.6	0.5		2	63	2.4	1.1								68	
BROJAP-h	50	1	NA		100	2	0.8		100	1	0		86	1.2	0.4		3	38	1.3	0.6								68	
TORNOD-h	50	1	NA		50	1	0		50	2	NA		86	1.8	0.8		2	63	1.8	0.8								64	
FESIDA-h	50	3	NA		25				100	2.5	0.7		71	3	1			38	2.7	0.6								48	
ELYGLA-h	50	2	NA		25								86	1.5	0.5			50	2.5	0.6								48	
BROTEC-h	100	2	1.4		50	1.5	0.7						29	1.5	0.7			50	2	1.2		1						44	
JUNOCC-s	50	1	NA		50	1	0		50	1	NA		43	1	0			38	1	0								40	
EPIBRA-h					50	1	0		50	1	NA		14				2	50	1	0								36	
BRODIA-h	100	2	1.4		25				50	2	NA		29	1.5	0.7		1	25	1.5	0.7								36	
ELYELY-h	50	2	NA		25								43	1	0			25	1	0								28	
TAECAP-h					75	4	1						14				4	25	1.5	0.7								28	
COLGRA-h					25				50	1	NA							63	1	0								28	
COLPAR-h													43	1	0			50	1	0								28	
QUEGAR-s					25								14					50	1.5	0.6		1						28	
POAPRA-h					25								57	1.3	0.5			25	2	1.4								28	
LONCIL-h					50	1	0		50	2	NA		43	1.3	0.6													24	
LONINT-h													29	1.5	0.7			50	1	0								24	
PSESPI-h													29	1.5	0.7			50	1.8	0.5								24	
JUNOCC-h									50	1	NA		14					38	1	0								20	
RHUTRI-s	100	2.5	0.7		75	2	1											13										24	
GALPAR-h					75	1.7	0.6						29	1.5	0.7		2											24	
CENSOL-h					75	2.3	0.6		100	1	0						2											24	
BERAQU-h													43	1	0			13								1		20	
TOXDIV-h													71	2.6	1.3													20	
ARESER-h	50	2	NA						100	2	0		29	1	0													20	
ACHLEM-h									50	1	NA							38	1	0								16	
GALAPA-h																		38	1.3	0.6		1						16	
AMEALN-h													14					25	2	1.4								16	
ALYALY-h					25												2	25	1	0								16	
JUNOCC-t					25													25	1.5	0.7								12	
ALLACU-h					25								29	1	0			13										16	
POLDOU-h									50	1	NA		29	1	0			13										16	
ACHMIL-h					50	1	0		50	1	NA							13										16	
CLARHO-h																		38	1	0								12	
Crepis-h																		38	1.3	0.6								12	
GILCAP-h																		38	1.3	0.6								12	
POASEC-h																		38	1.3	0.6								12	
CEAINT-s													14					25	2.5	0.7								12	
QUEKEL-h													14					25	1	0								12	
CERBET-s									50	1	NA							25	1.5	0.7								12	
PHLGRA-h									50	1	NA							25	1	0								12	
DICCAP-h													29	1	0			13										12	
QUEKEL-t													29	2.5	0.7			13										12	
AMEALN-s													14					13										8	
ANTCAU-h	50	2	NA		25													13										12	
Crypta-h					50	1	0											13										12	
PHOVIL-h													43	1.3	0.6													12	
FRALAT-s					25								29	1	0													12	

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Montane Hardwood Oak																						
	Iron Gate-Shasta (n=2)			Iron Gate Reservoir (n=4)			Copco No. 2 Bypass (n=2)			Copco Reservoir (n=7)			Fall Creek (n=1)			Peaking (n=8)			JC Boyle Bypass (n=1)			Frequency
	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	avg	freq.	avg	sd	avg					
BROHOR-h	100	2	0				50	1	NA												12	
HESMIC-h				50	1.5	0.7							2								12	
ASCSPH-h															25	1.5	0.7				8	
BROCAR-h															25	1	0				8	
CARMUL-h															25	1	0				8	
ERIINO-h															25	1.5	0.7				8	
PINPON-t															25	2	0				8	
SYMALB-s															25	1.5	0.7				8	
APOCAN-h										14					13						8	
FRALAT-h										14					13						8	
PHAHET-h										14					13						8	
SYMALB-h										14					13						8	
Vicia-h										14					13						8	
ERILAN-h													1	13							8	
PHILEW-s														13				3			8	
RANOCC-h							50	1	NA					13							8	
PHLPRA-h										29	1	0									8	
PINPON-h										29	1	0									8	
VULMIC-h										29	1.5	0.7									8	
AVEBAR-h										14			1								8	
Lupinu-h	50	2	NA							14											8	
TRADUB-h				25						14											8	
CEACUN-s	50	3	NA	25																	8	
LOTPUR-h				25									2								8	
ACHOCC-h														13							4	
AGOGRA-h														13							4	
Bgrass-h														13							4	
BROCIL-h														13							4	
Bromus-h														13							4	
CERBET-h														13							4	
CIRCYM-h														13							4	
CIRVUL-h														13							4	
DAUPUS-h														13							4	
FESOCC-h														13							4	
FRAVIR-h														13							4	
Lathyr-h														13							4	
LOMTRI-h														13							4	
OSMCHI-h														13							4	
PHLSPE-h														13							4	
PLECIL-h														13							4	
Plectr-h														13							4	
PSEMEN-h														13							4	
PSEMEN-t														13							4	
QUEKEL-s														13							4	
SYMMOL-s														13							4	
Trifol-h														13							4	
APOAND-h										14											4	
CEACUN-h										14											4	
DACGLO-h										14											4	
EUTOCC-h										14											4	

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

plots in which the species is present.

Montane Hardwood Oak																																								
	Iron Gate-Shasta (n=2)						Iron Gate Reservoir (n=4)						Copco No. 2 Bypass (n=2)						Copco Reservoir (n=7)						Fall Creek (n=1)			Peaking (n=8)						JC Boyle Bypass (n=1)						
	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	
Madia-h													14																											4
PLALAN-h													14																										4	
POTGLA-h													14																										4	
VULMYU-h													14																										4	
ALICAM-h										50	1	NA																										4		
CHRNAU-h																																					1		4	
CICINT-h					25																																	4		
CIRVUL-h					25																																	4		
ERESET-h					25																																	4		
ERIVIM-h					25																																	4		
EROCIC-h					25																																	4		
Festuc-h					25																																	4		
LEPCAM-h					25																																	4		
LEYTRA-h					25																																	4		
LIGCAL-h					25																																	4		
LUPMIC-h					25																																	4		
RIGLEP-h					25																																	4		
RUBDIS-s					25																																	4		
VITCAL-h					25																																	4		
KOECRI-h										50	1	NA																									4			
RIBVEL-s										50	2	NA																									4			
SISALT-h										50	2	NA																									4			
TOXDIV-s										50	1	NA																									4			
PRUVIR-s																																				2		4		
RIBVEL-h																																				1		4		
SAMMEX-h																																				1		4		
LAGRAM-h																																						4		
LOMCAL-h	50		1	NA																																		4		
Lonice-h	50		1	NA																																		4		
RHUTRI-h	50		2	NA																																		4		

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Montane Hardwood Oak-Juniper																	
	Iron Gate-Shasta (n=1)	Iron Gate Reservoir (n=5)			Copco No. 2 Bypass (n=4)			Copco Reservoir (n=2)				Fall Creek (n=1)	Peaking (n=6)			JC Boyle Bypass (n=1)	Frequency
	avg	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	avg	freq.	avg	sd		avg	
QUEGAR-t	2	100	2.4	0.5	100	2.3	0.5	100	2	0	3	100	3	0.9		3	100
JUNOCC-t	3	100	2.2	0.4	100	2.3	0.5	100	2	0	2	100	2.2	0.8		2	100
POABUL-h	3	100	2.6	0.5	100	2.5	0.6	50	1	NA		83	2.8	0.8		1	85
BROJAP-h		80	1.8	0.5	100	1.8	0.5	100	2	0		83	1.2	0.4			75
ELYELY-h	2	60	1.3	0.6	75	1.3	0.6	50	1	NA	2	100	1.5	0.5			75
FESIDA-h	1	100	2.2	0.4	75	2.3	0.6	50	2	NA	4	67	2.8	0.5			75
COLGRA-h		20			100	1.3	0.5				1	100	1.2	0.4		1	65
QUEGAR-h		40	1.5	0.7	75	1	0	100	1	0		83	1	0			60
CEACUN-s	2	80	1.3	0.5	100	2.3	0.5					33	1.5	0.7			55
EPIBRA-h					50	1	0	100	1	0		83	1.4	0.9		1	50
HESMIC-h		40	1	0	100	1.5	0.6	100	2.5	0.7		33	1	0			50
TORNOD-h		40	2.5	0.7	100	2	0	100	2.5	0.7		33	1	0			50
ALYALY-h		20			50	1	0	50	1	NA		83	1	0			45
JUNOCC-s	2	20			75	1.3	0.6	50	1	NA	1	33	1	0			45
JUNOCC-h	1	80	1	0	50	1	0					33	1	0			45
TAECAP-h		40	1.5	0.7	100	2.8	1.0	100	3	0		17	1	NA			45
CENSOL-h	1	60	1	0	75	1	0	100	1	0							45
VULMIC-h					75	1	0	100	1	0		50	1	0			40
BROTEC-h	2	40	2	0				50	1	NA		50	1.7	0.6		4	40
ACHMIL-h	1	20			75	1.3	0.6	100	1	0		17	1	NA			40
BRODIA-h	2	40	1.5	0.7	75	1.3	0.6	100	1.5	0.7							40
CERBET-s					100	1.3	0.5				3	33	1	0			35
ALLACU-h		40	1.5	0.7								67	1.5	0.6			30
ERILAN-h					50	1	0					67	1	0			30
QUEGAR-s		20			25							67	1.8	0.5			30
LONCIL-h	1	20						100	1	0		33	1.5	0.7			30
GALPAR-h	2				75	1.3	0.6	50	2	NA		17	1	NA			30
LAGRAM-h					100	1	0	100	1.5	0.7							30
BERAQU-h								50	1	NA		67	1.3	0.5			25
PSESPI-h					25							67	1.5	0.6			25
TOXDIV-h					25			100	1	0		33	1.5	0.7			25
AMEALN-h		40	1.5	0.7				50	1	NA		33	1.5	0.7			25
TRADUB-h		20			50	1	0					33	1	0			25
Clarkia-h												50	1	0		1	20
ELYGLA-h												50	1.3	0.6		2	20
LOMNUD-h					25							50	1.3	0.6			20
AMEALN-s					25			50	1	NA		33	1.5	0.7			20

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Montane Hardwood Oak-Juniper																
	Iron Gate- Shasta (n=1)	Iron Gate Reservoir (n=5)			Copco No. 2 Bypass (n=4)			Copco Reservoir (n=2)			Fall Creek (n=1)	Peaking (n=6)			JC Boyle Bypass (n=1)	Frequency
	avg	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	avg	freq.	avg	sd	avg	
AMSMEN-h					50	1	0	50	1	NA		17	1	NA		20
RHUTRI-s	1	20						100	1	0						20
DAUPUS-h					75	1.3	0.6	50	2	NA						20
Madia-h					75	2	0	50	1	NA						20
SCUSIP-h		20			50	1.5	0.7	50	1	NA						20
CEAINT-s												50	1.3	0.6		15
GILCAP-h					25							33	1	0		15
POLDOU-h					25							33	1	0		15
ACHLEM-h	2				25							17	2	NA		15
CERBET-h											1	17	2	NA	1	15
DICCAP-h					50	1	0					17	1	NA		15
PHLGRA-h					50	1	0					17	1	NA		15
Lonice-h		40	1	0							1					15
RIBVEL-s	1	40	1.5	0.7												15
TOXDIV-s					50	1	0				1					15
Trifol-h	1				50	1	0									15
COLPAR-h												33	1	0		10
HORDAU-h												33	2.5	0.7		10
LONINT-h												33	1	0		10
FRALAT-s								50	1	NA		17	1	NA		10
ANTCAU-h	2											17	1	NA		10
ANTCOT-h					25							17	1	NA		10
Crepis-h											1	17	1	NA		10
RANOCC-h					25							17	1	NA		10
SYMALB-h												17	2	NA	2	10
Achnat-h								100	1.5	0.7						10
TRIDUB-h								100	1	0						10
AVEBAR-h					25			50	1	NA						10
RHUTRI-h					25			50	1	NA						10
ARESER-h					50	1	0									10
BROHOR-h		20			25											10
CEACUN-h					50	1	0									10
CIRCOR-h					50	1	0									10
LONCIL-s					50	1.5	0.7									10
PENSPE-h		20			25											10
SISALT-h	1														1	10
VERTHA-h	1														1	10

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Montane Hardwood Oak-Juniper																
	Iron Gate-Shasta (n=1)	Iron Gate Reservoir (n=5)			Copco No. 2 Bypass (n=4)			Copco Reservoir (n=2)			Fall Creek (n=1)	Peaking (n=6)			JC Boyle Bypass (n=1)	Frequency
	avg	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	avg	freq.	avg	sd	avg	
BLESCA-h												17	1	NA		5
BROCAR-h												17	1	NA		5
BROCIL-h												17	2	NA		5
CARMUL-h												17	1	NA		5
CEAINT-h												17	2	NA		5
CEAPRO-h												17	1	NA		5
Crypta-h												17	1	NA		5
ERIINO-h												17	1	NA		5
ERIUMB-h												17	2	NA		5
LOLPER-h												17	4	NA		5
LOMDIS-h												17	1	NA		5
LOMTRI-h												17	2	NA		5
PHAHET-h												17	1	NA		5
PINLAM-t												17	3	NA		5
SENHYD-h												17	1	NA		5
Vicia-h												17	1	NA		5
ASCCOR-h								50	1	NA						5
ASCFAS-h								50	1	NA						5
CYNECH-h								50	1	NA						5
FRALAT-h								50	1	NA						5
LOTPUR-h								50	1	NA						5
CIRVUL-h	1															5
ERIVIM-h	1															5
EROCIC-h	1															5
Carex-h					25											5
LACSER-h					25											5
LOTPUR-h					25											5
RUMCRI-h					25											5
MENDIS-h															1	5
PHILEW-h															1	5
PRUSUB-s															1	5
ERESET-h		20														5
ERINUD-h		20														5
LUPMIC-h		20														5
Fritti-h											1					5
PINPON-t											1					5

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present

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Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present

Montane Chaparral																																							
	Iron Gate-Shasta (n=4)				Iron Gate Reservoir (n=3)				Copco No. 2 Bypass (n=2)				Copco Reservoir(n=4)				Fall Creek (n=2)				Peaking (n=6)				JC Boyle Bypass (n=3)				JC Boyle Reservoir (n=2)				Keno Canyon (n=3)				Link River (=1) Frequency		
	count	avg	sd	count	avg	sd	count	avg	sd	count	avg	sd	count	avg	sd	count	avg	sd	count	avg	sd	count	avg	sd	count	avg	sd	freq	avg	sd	avg								
CONARV-h																							50	1	NA	33	1	NA			6.7								
Vicia-h																							50	1	NA	33	1	NA			6.7								
SCUSIP-h				33							25																				6.7								
PINPON-s																							100	1	0						6.7								
TOXDIV-s								100	2.5	0.7																					6.7								
AGAURT-h																										33	2	NA			3.3								
APOAND-h																										33	1	NA			3.3								
ARAGLA-h																										33	1	NA			3.3								
CARROS-h																										33	1	NA			3.3								
Castil-h																										33	1	NA			3.3								
Descur-h																										33	1	NA			3.3								
GALBOL-h																										33	1	NA			3.3								
Galium-h																										33	1	NA			3.3								
Hemizo-h																										33	1	NA			3.3								
HYPPER-h																										33	1	NA			3.3								
LACSER-h																										33	1	NA			3.3								
Lupinu-h																										33	1	NA			3.3								
MACCAN-h																										33	1	NA			3.3								
PINPON-h																										33	1	NA			3.3								
POASEC-h																										33	1	NA			3.3								
POTGLA-h																										33	1	NA			3.3								
PRUVIR-s																										33	2	NA			3.3								
ROSGYM-h																										33	1	NA			3.3								
SAMMEX-h																										33	2	NA			3.3								
STELAC-h																										33	1	NA			3.3								
SWEALB-h																										33	1	NA			3.3								
SYMALB-s																										33	3	NA			3.3								
VERTHA-h																										33	1	NA			3.3								
AMEALN-h																			33												3.3								
CLARHO-h																			33												3.3								
PAXMYR-h																			33												3.3								
PRUEMA-h																			33												3.3								
PRUEMA-s																			33												3.3								
Bgrass-h																			17												3.3								
BLESCA-h																			17												3.3								
BROCAR-h																			17												3.3								
CYNECH-h																			17												3.3								
KOECRI-h																			17												3.3								
LOMDIS-h																			17												3.3								
MADGRA-h																			17												3.3								
PHLSPE-h																			17												3.3								
PINLAM-t																			17												3.3								
RIBROE-h																			17												3.3								
SENHYD-h																			17												3.3								
ACHOCC-h	25	1	NA																													3.3							
ALLACU-h	25	1	NA																													3.3							
AVEBAR-h	25	1	NA																													3.3							
ERESET-h	25	2	NA																													3.3							
HIRINC-h	25	1	NA																													3.3							
LAMAMP-h	25	1	NA																													3.3							
LOMMAC-h	25	1	NA																													3.3							
LUPARG-h	25	3	NA																													3.3							
LIGCAL-h				33																												3.3							
Achnat-h										25																						3.3							
ASCCOR-h										25																						3.3							
Madia-h										25																						3.3							
QUEGAR-h										25																						3.3							
STEEXI-h										25																						3.3							
ARTDOU-h																							50	1	NA							3.3							
ARTTRI-h																														2		3.3							
BALDEL-h																													2			3.3							
CHRVIS-h																														2		3.3							
HORVUL-h																														1		3.3							
LINDAL-h																															1	3.3							
Lonice-h													50	1	NA																	3.3							
Lupinu-h																															1	3.3							
POAPRA-h																							50	1	NA							3.3							
SIDORE-h																															1	3.3							

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Riparian Deciduous															
	Iron Gate-Shasta (n=5)			Copco No. 2 Bypass (n=3)			Fall Creek (n=1)		Peaking (n=8)				Link River (n=2)		
	freq	avg	sd	freq	avg	sd	avg	freq	avg	sd	freq	avg	sd		Frequency
FRALAT-t	80	2	0.8	33	2	NA	4	88	2.6	0.5	50	2	NA	74	
FRALAT-s	20	2	NA	67	2	0	2	88	1.1	0.4				58	
RUMCRI-h	60	1	0	33	1	NA	1	50	1	0	50	1	NA	53	
ANTCAU-h	40	3.5	0.7	67	3	1.4		50	1.3	0.5				42	
RHUTRI-s	80	2.75	1.5	67	1	0		13						37	
RUBDIS-s	60	2.67	0.6					25	4	0	100	2.5	2.1	37	
PHAARU-h	60	1.67	0.6					25	2	1.4	100	3	1.4	37	
BRODIA-h	40	2	0	33	2	NA		38	1.3	0.6				32	
ELYGLA-h	20	2	NA					63	1.4	0.5				32	
LEPCAM-h	80	1.25	0.5	33	1	NA		13						32	
QUEGAR-t	40	2.5	0.7	33	2	NA	2	25	4	1.4				32	
STAAJU-h				33	2	NA	1	38	1	0	50	2	NA	32	
VERTHA-h	20	1	NA	67	1	0		38	1	0				32	
HOLLAN-h	20	1	NA	33	1	NA	2	38	1.3	0.6				32	
TORNOD-h	20	2	NA	33	1	NA		38	1.3	0.6				26	
SALEXI-t	80	2.75	1					13						26	
ARTDOU-h	40	1.5	0.7	33	1	NA		25	1.5	0.7				26	
BERAQU-h	20	1	NA	33	1	NA		38	1.3	0.6				26	
CORGLA-s				33	2	NA		25	1.5	0.7	100	2	0	26	
DIPSYL-h	40	1	0				2	25	1	0				26	
POABUL-h	40	1	0	33	3	NA		25	1	0				26	
POAPRA-h	20	2	NA					38	1.3	0.6	50	3	NA	26	
BROTEC-h	60	2.33	0.6	33	1	NA								21	
CIRVUL-h							1	38	1	0				21	
MELALB-h	20	2	NA					38	1.3	0.6				21	
TOXDIV-s				67	2.5	0.71		25	2	0				21	
VITCAL-h	60	1.33	0.6	33	1	NA								21	
AGRCAP-h	20	1	NA				2	25	1.5	0.7				21	
FRALAT-h	20	1	NA					38	1	0				21	
QUEKEL-t	20	2	NA	33	2	NA		25	1.5	0.7				21	
SOLDUL-h	40	1.5	0.7					13			50	2	NA	21	
TOXDIV-h	20	2	NA					38	1.7	1.2				21	
VERBLA-h	40	1	0				1	13						21	
SALEXI-s	40	3.5	0.7					13						16	
LACSER-h	40	1	0					13						16	
ACHMIL-h								38	1	0				16	
CENSOL-h	40	1	0	33	1	NA								16	
EPICIL-h								25	1	0	50	1	NA	16	
ROSGYM-s	40	2	0								50	2	NA	16	
BROJAP-h	20	2	NA	67	1	0								16	

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Riparian Deciduous																
	Iron Gate-Shasta (n=5)			Copco No. 2 Bypass (n=3)			Fall Creek (n=1)					Link River (n=2)				Frequency
	freq	avg	sd	freq	avg	sd	avg	freq	avg	sd	freq	avg	sd			
JUNEFF-h				33	2	NA	1	13								16
MENARV-h	40	1	0									50	2	NA		16
BETOCC-t				67	4	0						50	4	NA		16
BIDFRO-h								38	1	0						16
CARNUD-h	60	2	0													16
CONMAC-h	20	1	NA					25	1	0						16
EQUARV-h								38	1.7	1.2						16
PHILEW-s								38	1.3	0.6						16
PRUVIR-s				67	2	0		13								16
QUEKEL-h								38	1	0						16
SCIACU-h	40	3.5	0.7				1									16
SALLAS-s				33	2	NA	3					50	2	NA		16
ALNRHO-t								25	4	0						11
TAECAP-h	20	2	NA					13								11
URTDIO-h								25	1	0						11
QUEGAR-h								25	1.5	0.7						11
TYPLAT-h												100	1.5	0.7		11
ACEMAC-t				33	1	NA						50	1	NA		11
ALNRHO-s								25	1.5	0.7						11
AMEALN-s				33	2	NA		13								11
CICDOU-h								13				50	1	NA		11
DACGLO-h	20	1	NA					13								11
GALAPA-h				33	1	NA		13								11
JUNOCC-h	20	1	NA					13								11
LEMMIN-h								13				50	1	NA		11
Lonice-h	40	1.5	0.7													11
MIMGUT-h								25	1	0						11
PHILEW-h								25	1	0						11
PINPON-t								25	1.5	0.7						11
POPTRI-s								25	2	0						11
RIBINE-h								25	1.5	0.7						11
SALLAS-t	20	3	NA									50	3	NA		11
SYMALB-h								25	3	0						11
SYMALB-s								25	1.5	0.7						11
VERAME-h								25	1	0						11
Vicia-h								25	1.5	0.7						11
VULMIC-h	20	1	NA	33	1	NA										11
LOTCOR-h							2	13								11
EUTOCC-h								13								5.3
SALLUC-t												50	2	NA		5.3

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Riparian Deciduous														
	Iron Gate-Shasta (n=5)			Copco No. 2 Bypass (n=3)			Fall Creek (n=1)							Link River (n=2)
	freq	avg	sd	freq	avg	sd	avg	freq	avg	sd	freq	avg	sd	Frequency
Carex-h							2							5.3
TRADUB-h								13						5.3
AMEALN-h								13						5.3
EPBRA-h				33	2	NA								5.3
Festuc-h	20	1	NA											5.3
JUNOCC-s				33	1	NA								5.3
LONCIL-h								13						5.3
POLHYD-h								13						5.3
RIBVEL-s				33	1	NA								5.3
ALICAM-h				33	1	NA								5.3
ARCMIN-h	20	2	NA											5.3
ARESER-h				33	1	NA								5.3
AVEBAR-h	20	1	NA											5.3
BETOCC-s											50	1	NA	5.3
Bgrass-h				33	1	NA								5.3
BRANIG-h								13						5.3
BROHOR-h	20	1	NA											5.3
CARLAN-h	20	1	NA											5.3
CARNEB-h				33	2	NA								5.3
CARPR1-h								13						5.3
CEAINT-h								13						5.3
CHRNAU-h								13						5.3
CICINT-h	20	1	NA											5.3
COLGRA-h								13						5.3
COLPAR-h				33	1	NA								5.3
DICCAP-h				33	1	NA								5.3
ELYELY-h								13						5.3
EQUHYE-h								13						5.3
ERILAN-h				33	1	NA								5.3
FESARU-h	20	2	NA											5.3
FRAVIR-h								13						5.3
HIRINC-h	20	1	NA											5.3
JUNBAL-h				33	2	NA								5.3
JUNENS-h				33	1	NA								5.3
JUNOCC-t				33	2	NA								5.3
LEYTRA-h	20	1	NA											5.3
LOLPER-h								13						5.3
LOMCAL-h	20	1	NA											5.3
MEDPOL-h	20	1	NA											5.3
MYOLAX-h								13						5.3

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Riparian Deciduous															
	Iron Gate-Shasta (n=5)			Copco No. 2 Bypass (n=3)			Fall Creek (n=1)	Peaking (n=8)				Link River (n=2)			Frequency
	freq	avg	sd	freq	avg	sd	avg	freq	avg	sd	freq	avg	sd		
OSMCHI-h								13						5.3	
PLAMAJ-h											50	1	NA	5.3	
Plectr-h				33	2	NA								5.3	
POLAMP-h								13						5.3	
PRUSUB-s								13						5.3	
PRUVIR-t	20	2	NA											5.3	
PSEMEN-h								13						5.3	
PSEMEN-s								13						5.3	
RHACAL-s								13						5.3	
RORNAS-h								13						5.3	
ROSCAL-h	20	2	NA											5.3	
RUBLAC-h											50	1	NA	5.3	
RUBLEU-h	20	3	NA											5.3	
SCIMIC-h	20	1	NA											5.3	
SWEALB-h								13						5.3	
SYMROT-h	20	2	NA											5.3	
VERANA-h											50	3	NA	5.3	

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Palustrine Forest													
	Iron Gate Reservoir (n=9)			Copco No.2 Bypass (n=2)			Copco Reservoir (n=7)			Keno Reservoir (n=2)			Frequency
	freq	avg	sd	freq	avg	sd	freq	avg	sd	freq	avg	sd	
TORNOD-h	67	2	1.1	50	2	NA	71	1.6	0.55				60
FRALAT-t	78	2.1	0.7	100	2	0	43	2.33	0.58				60
FRALAT-s	78	2.3	1.0				29	2	0				45
ELYGLA-h	33	1.3	0.6				71	1.8	0.45				40
BERAQU-h	33	1	0	50	2	NA	57	1.5	0.58				40
BROTEC-h	44	1.5	0.6				29	1.5	0.71	50	1		35
RHUTRI-s	56	1.4	0.5				29	1	0				35
RUMCRI-h	56	1.2	0.4				29	1	0				35
JUNOCC-s	11	1	NA				71	1.2	0.45				30
STAAJU-h	33	1.7	0.6	50	2	NA	29	2	1.41				30
URTDIO-h	22	1.5	0.7				29	3	1.41	100	2	0	30
SALEXI-s	56	1.8	0.8				14	3					30
QUEGAR-h	11	2	NA				57	1.25	0.5				25
ALNRHO-t	33	2.7	2.1				29	3	0				25
TAECAP-h	22	1	0	50	1	NA	29	1	0				25
QUEGAR-t	33	2.7	0.6	50	2	NA	14	2					25
JUNEFF-h	22	1.5	0.7	100	2	1.4	14	3					25
SALEXI-t	56	3.6	1.1										25
ARTDOU-h	44	1.5	0.6	50	1	NA							25
SALLUC-t	44	2.3	1.0							50	4		25
TOXDIV-h							57	2.5	0.58				20
CORGLA-s				50	3	NA	43	1.67	0.58				20
QUEGAR-s	11	1	NA				43	2	0				20
VITCAL-h	11	1	NA	50	2	NA	29	1.5	0.71				20
EPICIL-h	22	1.5	0.7				29	1.5	0.71				20
FESIDA-h	22	2	0				29	2	0				20
ACHMIL-h	22	1	0	50	1	NA	14	1					20
ANTCAU-h	11	3	NA				14	3		100	2	1	20
CIRARV-h	11	1	NA				14	1		100	2.5	1	20
LEPCAM-h	33	1.3	0.6				14	1					20
BRODIA-h	33	1.7	0.6	50	1	NA							20
Carex-h	44	1.3	0.5										20
EUTOCC-h	44	1.5	0.6										20
LACSER-h	44	1	0										20
FRALAT-h							43	1	0				15

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

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Palustrine Forest													
	Iron Gate Reservoir (n=9)			Copco No.2 Bypass (n=2)			Copco Reservoir (n=7)			Keno Reservoir (n=2)			Frequency
	freq	avg	sd	freq	avg	sd	freq	avg	sd	freq	avg	sd	
QUEKEL-h							43	1	0				15
HOLLAN-h				50	3	NA	29	2	1.41				15
AMEALN-h	11	1	NA				29	1	0				15
Galium-h	11	1	NA				29	2	0				15
LONCIL-h	11	1	NA				29	2	0				15
POLHYD-h	11	2	NA				29	1	0				15
RIBVEL-h	11	1	NA				29	1	0				15
TOXDIV-s	11	2	NA				29	2.5	2.12				15
JUNXIP-h				100	1	0	14	1					15
DIPSYL-h	22	1.5	0.7				14	1					15
POTGLA-h	22	1.5	0.7				14	1					15
TRADUB-h	22	1.5	0.7	50	1	NA							15
CIRVUL-h	33	1.3	0.6										15
SALLUC-s	33	1.7	0.6										15
ACEMAC-t							29	2	0				10
APOCAN-h							29	2.5	0.71				10
HERLAN-h							29	1.5	0.71				10
MIMGUT-h							29	1.5	0.71				10
PHILEW-h							29	1.5	0.71				10
PRUVUL-h							29	1	0				10
QUEKEL-t							29	3	0				10
RHUTRI-h							29	1	0				10
RIBINE-s							29	2.5	0.71				10
SYMALB-h							29	2	0				10
SALLAS-s				100	2	0							10
AVEBAR-h	11	1	NA	50	1	NA							10
JUNENS-h				50	2	NA	14	2					10
CONARV-h				50	1	NA				50	1		10
AMBPSI-h	22	1	0										10
CAROLI-h	22	1	0										10
CENSOL-h	22	1.5	0.7										10
CLELIG-h	22	1	0										10
DESELO-h	22	2	0										10
ERINUD-h	22	1	0										10
ISATIN-h	22	1	0										10

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

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Palustrine Forest													
	Iron Gate Reservoir (n=9)			Copco No.2 Bypass (n=2)			Copco Reservoir (n=7)			Keno Reservoir (n=2)			Frequency
	freq	avg	sd	freq	avg	sd	freq	avg	sd	freq	avg	sd	
POAPRA-h	22	1.5	0.7										10
ROSGYM-s	22	1.5	0.7										10
RUBDIS-s	22	2.5	0.7										10
CEACUN-s	11	3	NA				14	1					10
MELALB-h	11	2	NA							50	1		10
BIDFRO-h							14	2		50	1		10
TYPLAT-h							14	1		50	1		10
ASCCOR-h							14	1					5
BROJAP-h							14	1					5
CEAINT-s							14	1					5
CHRNAU-h							14	2					5
EPIDENS-h							14	1					5
EQUARV-h							14	2					5
HYPFOR-h							14	2					5
JUNOCC-h							14	1					5
JUNOCC-t							14	1					5
MENARV-h							14	2					5
MYOLAT-h							14	1					5
OSMCHI-h							14	1					5
PHOVIL-h							14	1					5
PINPON-h							14	2					5
POAPRA-h							14	1					5
RUBDIS-h							14	2					5
TYPANG-h							14	1					5
VERBLA-h							14	1					5
CARNEB-h				50	1	NA							5
GALAPA-h				50	1	NA							5
GALPAR-h				50	1	NA							5
LOTCOR-h				50	1	NA							5
POAPRA-h				50	1	NA							5
TOXDIV-h				50	2	NA							5
ELYINT-h										50	4		5
LEYTRI-h										50	3		5
ELYPON-h										50	2		5
EUTOCC-h										50	2		5

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Palustrine Forest													
	Iron Gate Reservoir (n=9)			Copco No.2 Bypass (n=2)			Copco Reservoir (n=7)			Keno Reservoir (n=2)			Frequency
	freq	avg	sd	freq	avg	sd	freq	avg	sd	freq	avg	sd	
PHAARU-h										50	2		5
SOLDUL-h										50	2		5
CARDRA-h										50	1		5
ELYELY-h										50	1		5
LEYCIN-h										50	1		5
ROSCAL-s										50	1		5
Ulmus-t										50	1		5
AGRCAP-h	11	1	NA										5
ALYALY-h	11	1	NA										5
BROJAP-h	11	1	NA										5
COLGRA-h	11	1	NA										5
EPIBRA-h	11	1	NA										5
FESPRA-h	11	1	NA										5
Festuc-h	11	2	NA										5
HELANN-h	11	1	NA										5
MENARV-h	11	1	NA										5
PHAHET-h	11	1	NA										5
POABUL-h	11	2	NA										5
POLMON-h	11	1	NA										5
SCIACU-h	11	1	NA										5
VERTHA-h	11	1	NA										5
VULMYU-h	11	2	NA										5
XANSTR-h	11	1	NA										5
SALBAB-t										50	4		5

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

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Riparian Shrub															
	freq	avg	sd	avg	freq	avg	sd	freq	avg	sd	freq	avg	sd		
EUTOCC-h	50	1	0	1	100	2	1	50	1	NA	67	1	0	69	
SALEXI-s	100	4	1.0	4	67	4	0	100	5	0.7	33	2	NA	62	
SALLAS-s					100	2	1	50	2	NA	100	2	0.6	54	
SALEXI-t	100	2.5	1	2				50	2	NA	33	1	NA	54	
PHAARU-h					100	4.3	1.2	100	3.5	0	33	3	NA	46	
LACSER-h	50	1	0		100	1	0				33	3	NA	46	
CIRVUL-h	50	1.5	0.7	1	67	1	0	50	1	NA				46	
DIPSYL-h	100	1.5	0.6		67	1	0							46	
URTDIO-h					100	1.7	0.6				67	2	1.4	38	
ELYGLA-h	25	1	NA		33	1		100	1.5	0.7	33	2	NA	38	
EPIBRA-h				1	67	1.5	0.7	50	1	NA	33	2	NA	38	
BROJAP-h				2				50	1	NA	67	2	0	31	
RUBDIS-s	50	1.5	0.7								67	3	0	31	
PRUVIR-s	25	2	NA	1				50	1	NA	33	3	NA	31	
POAPRA-h	25	1	NA	2				100	2	0				31	
LEPCAM-h	50	1	0	1				50	1	NA				31	
MELALB-h	25	1	NA		67	1	0	50	1	NA				31	
CENSOL-h	50	2	1.4	1	33	1	NA							31	
STAAJU-h	25	1	NA	1	67	1	0							31	
GALPAR-h				1							67	2	0.7	23	
ROSGYM-s				2							67	4	0	23	
TRADUB-h								100	1	0	33	2	NA	23	
CHRNAU-h					33	1	NA	50	1	NA	33	1	NA	23	
FRALAT-s	25	2	NA	2							33	2	NA	23	
PRUSUB-s					33	1	NA	100	1.5	0.7				23	
BROTEC-h	50	1.5	0.7					50	2	NA				23	
JUNEFF-h	25	1	NA	2				50	1	NA				23	
VERTHA-h					67	1	0	50	1	NA				23	
ARTDOU-h	75	1.3	0.6											23	
ELYELY-h								50	1	NA	33	3	NA	15	
SALLUC-t								50	1	NA	33	2	NA	15	
SISALT-h								50	2	NA	33	1	NA	15	
EPICIL-h				1							33	1	NA	15	
RUMCRI-h				1							33	1	NA	15	
ANTCAU-h	25	1	NA					50	2	NA				15	
Carex-h				3				50	1	NA				15	
LEMMIN-h				1				50	1	NA				15	
POABUL-h	25	2	NA					50	1	NA				15	
RIBVEL-s				1				50	1	NA				15	
SCIACU-h	25	2	NA					50	2	NA				15	
ACHMIL-h				1	33	1								15	
BRODIA-h	25	1	NA	2										15	
CARSTI-h	25	3	NA	1										15	
SPIDOU-s					67	1	0							15	

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Riparian Shrub															
	freq	avg	sd	avg	freq	avg	sd	freq	avg	sd	freq	avg	sd		
JUNOCC-t											33	2	NA	8	
LINDAL-h											33	1	NA	8	
MELIND-h											33	2	NA	8	
SALLAS-t											33	2	NA	8	
AGAURT-h								50	1	NA				8	
BROHOR-h								50	1	NA				8	
JUNOCC-s								50	1	NA				8	
ONOACA-h								50	1	NA				8	
OSMOCC-h								50	1	NA				8	
PHARAM-h								50	1	NA				8	
SCIFLU-h								50	1	NA				8	
AVEBAR-h	25	1	NA											8	
BRANIG-h	25	1	NA											8	
CARNUD-h	25	3	NA											8	
CICINT-h	25	1	NA											8	
CONARV-h	25	1	NA											8	
CONMAC-h	25	3	NA											8	
DESELO-h	25	1	NA											8	
EQUARV-h	25	1	NA											8	
EQUHYE-h	25	2	NA											8	
ERESST-h	25	1	NA											8	
Hordeu-h	25	2	NA											8	
HYPPER-h	25	1	NA											8	
LEEORY-h	25	2	NA											8	
Medica-h	25	1	NA											8	
MENARV-h	25	3	NA											8	
POLDOU-h	25	1	NA											8	
POLMON-h	25	1	NA											8	
PRUVIR-t	25	1	NA											8	
RHUTRI-s	25	1	NA											8	
RUBLEU-h	25	3	NA											8	
SCIMIC-h	25	1	NA											8	
SONASP-h	25	1	NA											8	
TAECAP-h	25	1	NA											8	
VERBLA-h	25	1	NA											8	
XANSTR-h	25	1	NA											8	
HOLLAN-h				3										8	
JUNENS-h				3										8	
JUNXIP-h				3										8	
AMEALN-s				2										8	
FRALAT-t				2										8	
MYOLAX-h				2										8	
PHLPRA-h				2										8	
SIDORE-h				2										8	

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Riparian Shrub														
	freq	avg	sd	avg	freq	avg	sd	freq	avg	sd	freq	avg	sd	
BERAQU-h				1										8
EPIDENS-h				1										8
HYPFOR-h				1										8
MIMGUT-h				1										8
PERGAR-h				1										8
PLALAN-h				1										8
QUEGAR-h				1										8
QUEGAR-s				1										8
QUEKEL-s				1										8
TRIERI-h				1										8
VERANA-h				1										8
PHILEW-h					33	1	NA							8

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Palustrine Shrub-scrub

	Iron Gate Reservoir (n=6)			Copco Reservoir (n=2)			Fall Creek (n=3)			JC Boyle Reservoir (n=4)			Keno Reservoir (n=1)			Frequency
	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	avg			
SALEXI-s	100	3.3	1.2	100	2	1.4	100	3.3	0.6	50	1.5	0.71				81
DIPSYL-h	100	1.5	0.5				100	1	0	25	2	NA				63
CIRVUL-h	67	1.5	0.6				33	1	NA	100	1	0				56
SALEXI-t	67	3.8	1.3	100	4.5	0.7	67	3	2.8							50
FRALAT-s	67	1.8	0.5	50	1	NA	67	1	0							44
EUTOCC-h							67	1.5	0.7	75	1.3	0.58	2			38
BROTEC-h	33	1.5	0.7				100	1.7	0.6	25	1	NA				38
BROJAP-h	17	2	NA				67	1.5	0.7	50	1	0				31
POAPRA-h	33	1.5	0.7				33	1	NA	50	2	0				31
VERTHA-h	50	1	0.0							25	1	NA	1			31
RUBDIS-s	50	2	0.0				67	1.5	0.7							31
TORNOD-h	50	2.7	1.5				67	1	0							31
ELYGLA-h	17	2	NA							75	1.7	0.58				25
SALLAS-s							67	1.5	0.7	50	3	1.41				25
Carex-h	33	1.5	0.7							50	1.5	0.71				25
BRODIA-h	33	1.5	0.7	50	1	NA	33	2	NA							25
LOTCOR-h	50	1.7	0.6				33	3	NA							25
HELANN-h	67	1	0.0													25
ACHMIL-h										75	1.3	0.58				19
PRUVIR-s										75	2	1				19
TRADUB-h										75	1	0				19
PHAARU-h				50	4	NA				50	2.5	0.71				19
ROSCAL-h										50	1.5	0.71	1			19
STAAJU-h	17	1	NA							50	1.5	0.71				19
AGRCAP-h	17	3	NA				33	1	NA	25	2	NA				19
CHRNAU-h	17	1	NA							25	1	NA	2			19
LACSER-h	17	2	NA							25	1	NA	1			19
CENSOL-h	17	1	NA				67	1	0							19
CIRARV-h	17	1	NA				33	1	NA						2	19
RUMCRI-h	33	1	0.0				33	1	NA							19
TOXDIV-s	33	1.5	0.7				33	2	NA							19
LEPCAM-h	50	1.3	0.6													19
MELIND-h	50	2.3	1.2													19
BERAQU-h										50	2	1.41				13
EPICIL-h										50	2	0				13
JUNXIP-h										50	1	0				13

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Palustrine Shrub-scrub

	Iron Gate Reservoir (n=6)			Copco Reservoir (n=2)			Fall Creek (n=3)			JC Boyle Reservoir (n=4)			Keno Reservoir (n=1)			Frequency
	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	avg			
MENARV-h										50	1.5	0.71				13
MYOLAX-h										50	1	0				13
PHILEW-s										50	2.5	0.71				13
PINPON-s										50	1	0				13
POLHYD-h										50	1	0				13
POTGLA-h										50	1	0				13
RIBVEL-s										50	1.5	0.71				13
SPIDEN-h										50	2	0				13
CARNEB-h							33	2	NA	25	1	NA				13
MIMGUT-h							33	1	NA	25	1	NA				13
POABUL-h							33	1	NA	25	2	NA				13
ARTDOU-h	17	1	NA							25	1	NA				13
EPIBRA-h	17	1	NA							25	2	NA				13
QUEGAR-s	17	1	NA							25	1	NA				13
ASTEAT-h										25	2	NA	2			13
JUNOCC-s				50	1	NA				25	1	NA				13
LEMMIN-h										25	2	NA	2			13
URTDIO-h										25	1	NA	2			13
PASDIS-h	33	2.5	0.7													13
SALLUC-t	33	2.5	0.7													13
FRALAT-t	17	2	NA				33	2	NA							13
RHUTRI-s	17	1	NA				33	3	NA							13
TAECAP-h	17	1	NA				33	1	NA							13
SCIACU-h	17	1	NA												1	13
CICINT-h							67	1.5	0.7							13
ACHLEM-h										25	1	NA				6
AGAURT-h										25	1	NA				6
AGRORE-h										25	2	NA				6
AMEALN-s										25	3	NA				6
APOAND-h										25	1	NA				6
CASMIN-h										25	1	NA				6
CICDOU-h										25	1	NA				6
COLPAR-h										25	1	NA				6
CORSER-s										25	1	NA				6
ELEMAC-h										25	2	NA				6
EQUHYE-h										25	2	NA				6

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Palustrine Shrub-scrub

	Iron Gate Reservoir (n=6)			Copco Reservoir (n=2)			Fall Creek (n=3)			JC Boyle Reservoir (n=4)			Keno Reservoir (n=1)			Frequency
	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	avg			
ERIBLO-h										25	1	NA				6
ERIUMB-h										25	2	NA				6
GALAPA-h										25	1	NA				6
Galium-h										25	1	NA				6
JUNENS-h										25	1	NA				6
MEDLUP-h										25	1	NA				6
PINPON-h										25	1	NA				6
PINPON-t										25	2	NA				6
POTGRA-h										25	1	NA				6
PRUSUB-s										25	3	NA				6
PRUVIR-h										25	2	NA				6
RHARUB-s										25	1	NA				6
RIBVEL-h										25	1	NA				6
ROSGYM-h										25	3	NA				6
SAMMEX-h										25	2	NA				6
SIDORE-h										25	1	NA				6
SONASP-h										25	1	NA				6
SPIDOU-s										25	1	NA				6
SWEALB-h										25	1	NA				6
SYMALB-h										25	1	NA				6
SYMALB-s										25	1	NA				6
SYMMOL-s										25	1	NA				6
AMBPSI-h	17	1	NA													6
CERBET-s	17	1	NA													6
FESPRA-h	17	2	NA													6
GALPAR-h	17	1	NA													6
JUNOCC-h	17	1	NA													6
LEYTRA-h	17	2	NA													6
LUPMIC-h	17	2	NA													6
POLMON-h	17	2	NA													6
QUEGAR-h	17	1	NA													6
QUEGAR-t	17	2	NA													6
SALLUC-s	17	2	NA													6
XANSTR-h	17	2	NA													6
BERAQU-h							33	1	NA							6
CARPRI-h							33	1	NA							6

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Palustrine Shrub-scrub

	Iron Gate Reservoir (n=6)			Copco Reservoir (n=2)			Fall Creek (n=3)			JC Boyle Reservoir (n=4)			Keno Reservoir (n=1)			Frequency
	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	freq.	avg	sd	avg			
CARSTI-h							33	2	NA							6
ELYELY-h							33	1	NA							6
EPIDENS-h							33	2	NA							6
JUNEFF-h							33	3	NA							6
LOTPUR-h							33	2	NA							6
PHLPRA-h							33	2	NA							6
QUEGAR-t							33	2	NA							6
VERBLA-h							33	1	NA							6
ANTCAU-h				50												6
ANTCAU-h				50	1	NA										6
ARTDOU-h															1	6
BIDFRO-h															1	6
CASMIN-h															1	6
HELBIG-h															2	6
NEPCAT-h															1	6
POLAMP-h															1	6
TYPLAT-h															2	6
Ulmus-t															1	6

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Riparian Grass													
	Iron Gate-Shasta (n=2)			Peaking (n=4)			Keno Canyon			Link River (n=2)			Frequency
	freq	avg	sd	freq	avg	sd	freq	avg	sd	freq	avg	sd	
EUTOCC-h	100	3	2.8	100	1	0	50	1.5	0.7				66.7
SCIACU-h	50	2	NA	100	1.25	0.5	75	2.7	NA				66.7
PHAARU-h	50	4	NA	50	4.5	0.7	100	3.8	1.0	50	4	NA	66.7
SOLDUL-h	100	1.5	0.7	50	1.5	0.7	75	1.7	0.6				58.3
RUMCRI-h				100	1	0	50	1	0	50	1	NA	58.3
LEEORY-h	100	1.5	0.7	75	1.7	0.6	25	1	NA				50
POLAMP-h	50	2	NA	100	1	0	25	1	NA				50
BIDFRO-h				75	1.0	0.0	50	1	0				41.7
LEMMIN-h	50	1	NA				75	1	0				33.3
TYPLAT-h	50	1	NA				75	1.3	0.6				33.3
EPICIL-h				100	1	0							33.3
URTDIO-h				75	1.7	0.6	25	2	NA				33.3
SALEXI-s	50	2	NA	25						50	2	NA	25
MENARV-h				75	2	0							25
MELALB-h				75	1.3	0.6							25
STAAJU-h				50	1	0	25	1	NA				25
BROJAP-h				25			25	2	NA	50	1	NA	25
POAPRA-h				25			25	1	NA	50	1	NA	25
CONMAC-h				25			50	1	0				25
ELYGLA-h				25						100	3	1.4	25
BROTEC-h							25	1	NA	100	1	0	25
SCIFLU-h							75	1.7	NA				25
XANSTR-h	100	1.5	0.7										16.7
DIPSYL-h				50	1.5	0.7							16.7
EQUHYE-h				50	1	0							16.7
HYPPER-h				50	1	0							16.7
MIMGUT-h				50	1	0							16.7
PLAMAJ-h				50	1	0							16.7
POLLA1-h				50	1	0							16.7
JUNEFF-h				25						50	3	NA	16.7
ROSGYM-s				25						50	1	NA	16.7
LACSER-h							25	4	NA	50	2	NA	16.7
TRADUB-h							25	1	NA	50	1	NA	16.7
EPIBRA-h							25	2	NA	50	2	NA	16.7
POLDOU-h							50	1	0				16.7
SISALT-h							25	1	NA	50	2	NA	16.7
VERTHA-h							25	1	NA	50	1	NA	16.7
ARTDOU-h	50	2	NA										8.33
BRANIG-h	50	1	NA										8.33
POLMON-h	50	1	NA										8.33
CHEAMB-h	50	2	NA										8.33
ECHCRU-h	50	2	NA										8.33
FESARU-h	50	1	NA										8.33
FRALAT-s	50	2	NA										8.33
HELANN-h	50	2	NA										8.33

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Riparian Grass													
	Iron Gate-Shasta (n=2)			Peaking (n=4)			Keno Canyon			Link River (n=2)			Frequency
	freq	avg	sd	freq	avg	sd	freq	avg	sd	freq	avg	sd	
LAMAMP-h	50	1	NA										8.33
PASDIS-h	50	4	NA										8.33
VITCAL-h	50	2	NA										8.33
LEPCAM-h				25									8.33
RUMSAL-h				25									8.33
TAECAP-h				25									8.33
VERBLA-h				25									8.33
HELBIG-h				25									8.33
CARPR1-h				25									8.33
CENSOL-h				25									8.33
Centa2-h				25									8.33
CICDOU-h				25									8.33
CORGLA-s				25									8.33
RORNAS-h				25									8.33
SCIMIC-h				25									8.33
VERAME-h				25									8.33
EQUARV-h										50	2	NA	8.33
EROCIC-h										50	1	NA	8.33
LINDAL-h										50	1	NA	8.33
CONARV-h							25	2	NA				8.33
ERILAN-h							25	1	NA				8.33
HORJUB-h							25	1	NA				8.33
POLARE-h							25	1	NA				8.33

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

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Palustrine Emergent Wetland																						
	Iron Gate Reservoir (n=3)			Copco No. 2 Bypass (n=1)	Copco Reservoir (n=5)			Fall Creek (n=2)			Peaking (n=6)				JC Boyle Reservoir (n=2)			Keno Reservoir (n=6)				Frequency
	freq	avg	sd	avg	freq	avg	sd	freq	avg	sd	freq	avg	sd	freq	avg	sd	freq	avg	sd			
EPICIL-h					20	2	na	100	1.5	0.7	100	1.3	0.5	100	1	0	33	2	0		56	
RUMCRI-h	100	1	0		60	1	0	100	1	0	67	1.3	0.5				50	1	0		52	
LACSER-h	33			1	40	1.5	0.71				67	1	0	50	1	NA	67	1	0		50	
CIRVUL-h	33										83	1	0	100	1	0	67	1	0		48	
JUNEFF-h					40	3	1.41	50	1	NA	83	1.4	0.5	100	2.5	2.1	17	1	na		48	
POAPRA-h				1	60	2	1	100	1.5	0.7	67	1.8	1.0	50	2	NA	17	2	na		44	
SCIACU-h	67	3	0		60	3.67	1.53	50	3	NA	33	2	1.4				33	2.5	0.71		43	
AGRCAP-h	33							50	1	NA	100	2.2	0.8	100	2	0					40	
MIMGUT-h					20	2	na	50	2	NA	67	1.5	0.6	50	2	NA	17	3	na		36	
EUTOCC-h	33				40	1.5	0.71	100	2	1.414	33	1.5	0.7	50	2	NA	17	2	na		34	
CIRARV-h					20	1	na	100	1	0	17			50	1	NA	50	2	1		32	
MENARV-h	33				20	1	na				50	1.3	0.6	50	2	NA	33	2	0		32	
DIPSYL-h	67	2	0		80	2	0.82	50	4	NA	17						17	1			28	
PHAARU-h					20	3	na				50	2.7	2.1				17	3	na		28	
JUNENS-h				2	40	2	0				50	1.3	0.6	50	2	NA					28	
PHLPRA-h					40	1	0	100	2	1.414	67	1.3	0.5								28	
LOTCOR-h	100	2.3	1.5	1				50	2	NA	33	1	0								28	
POLHYD-h	67	1.5	0.7		40	1.5	0.71				17			50	1	NA	17	2	na		26	
SONASP-h														50	1	NA	83	1.4	0.55		24	
MYOLAX-h											50	1.3	0.6	50	2	NA	33	2	1.41		24	
JUNXIP-h					20	2	na				67	2.3	0.5								24	
PLALAN-h	100	1	0	1	60	1	0				17										24	
ATRPAT-h																	83	1.4	0.55		20	
TYPLAT-h					20	1	na				33	1	0				33	3.5	2.12		20	
JUNBAL-h				2							50	2	0				17	4	na		20	
CARSTI-h					60	2	1	50	1	NA	17			50	3	NA					20	
HYPFOR-h					20	2	na				50	1.7	0.6								20	
RUBDIS-h					20	5	na														20	
BROJAP-h					40	1.5	0.71	50	1	NA	17						17	2	na		18	
ANTCOT-h	67	2	1.4	2	40	1.5	0.71														18	
LEPCAM-h				1	60	1.33	0.58				17						17	2	na		17	
POTANS-h																	67	2.25	0.5		16	
URTDIO-h											17						50	2.333	0.58		16	
HELAUT-h											33	1.5	0.7				33	2	0		16	
TRADUB-h					20	1	na				17			50	1	NA	17	1	na		16	
ACHMIL-h								50	1	NA	17			50	2	NA	17	2	na		16	
CARPRI-h								50	2	NA	33	3.5	0.7				17	3	na		16	
CARNEB-h								50	2	NA	33	2.5	0.7	50	3	NA					16	
STAAJU-h											50	1.3	0.6	50	2	NA					16	
CENSOL-h	67	1.5	0.7	2	40	1	0														16	
CICINT-h	67	1.5	0.7	2	40	1	0														16	
EPIDENS-h					40	1	0	50	2	NA	33	1	0								16	
TAECAP-h	67	2.5	0.7	1	40	1	0														16	
VERBLA-h	67	1	0		40	1	0				17										16	
Carex-h	33			1							33	1.5	0.7								16	
HOLLAN-h											67	2	0.8								16	
ASCFAS-h	67	1	0		60	1.67	1.15														15	
ELEMAC-h											17			100	3	0					12	
HORJUB-h														100	1.5	0.7	17	1	na		12	

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Palustrine Emergent Wetland																						
	Iron Gate Reservoir (n=3)			Copco No. 2 Bypass (n=1)	Copco Reservoir (n=5)			Fall Creek (n=2)			Peaking (n=6)				JC Boyle Reservoir (n=2)			Keno Reservoir (n=6)				
	freq	avg	sd	avg	freq	avg	sd	freq	avg	sd	freq	avg	sd	freq	avg	sd	freq	avg	sd		Frequency	
SIDORE-h											17				50	1	NA	17	1	na	12	
BIDFRO-h					20	2	na								50	1	NA				12	
POAPAL-h											50	1.3	0.6								12	
PRUVUL-h								50	1	NA	33	1	0								12	
NITOCC-h																		50	2	1	12	
THEBRA-h																		50	2	1	12	
BRODIA-h					20	3	na														12	
BROTEC-h				1	20	2	na														12	
GALPAR-h				1	20	2	na														12	
TORNOD-h	33			1	20	1	na														12	
PASDIS-h	100	2	0																		12	
Galium-h															50	1	NA	17	1	na	8	
ELYELY-h					40	1	0											17	1	na	8	
Trifol-h				1														17	1	na	8	
TAROFF-h															100	1	0				8	
VERTHA-h															100	1	0				8	
LEMMIN-h											17				50	2	NA				8	
ANTCAU-h					20	2	na														8	
EPIBRA-h					20	1	na				17										8	
MYOLAT-h					20	2	na														8	
AGRORE-h											33	1.5	0.7								8	
Carex107											33	2	1.4								8	
Carex207											33	2.5	0.7								8	
CERDEM-h	67	2	0																		8	
FESARU-h											33	1.5	0.7								8	
JUNTEN-h											33	2	0								8	
LOTPUR-h											33	1	0								8	
MELALB-h	33										17										8	
PERGAR-h											33	1.5	0.7								8	
SCIMIC-h								50	1	NA	17										8	
SCIPEN-h											33	1	0								8	
TRIWIL-h											33	1.5	0.7								8	
VERANA-h											33	1.5	0.7								8	
XANSTR-h	67	1.5	0.7																		8	
RUMSAL-h					60	1.33	0.58														5	
AMBPSI-h																		17	2	na	4	
ARTDOU-h																		17	1	na	4	
BETOCC-s																		17	1	na	4	
BRANIG-h																		17	2	na	4	
CICDOU-h																		17	2	na	4	
CONMAC-h																		17	2	na	4	
Descur-h																		17	2	na	4	
DISSPI-h																		17	3	na	4	
GALAPA-h																		17	2	na	4	
HORBRA-h																		17	2	na	4	
LEYTRI-h																		17	4	na	4	
MEDPOL-h																		17	2	na	4	
NEPCAT-h																		17	1	na	4	
POLMON-h																		17	1	na	4	

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Palustrine Emergent Wetland																				
	Iron Gate Reservoir (n=3)			Copco No. 2 Bypass (n=1)	Copco Reservoir (n=5)			Fall Creek (n=2)			Peaking (n=6)			JC Boyle Reservoir (n=2)			Keno Reservoir (n=6)			
	freq	avg	sd	avg	freq	avg	sd	freq	avg	sd	freq	avg	sd	freq	avg	sd	freq	avg	sd	Frequency
ROSCAL-s																	17	2	na	4
SOLDUL-h																	17	1	na	4
SOLXAN-h																	17	1	na	4
SPAEUR-h																	17	2	na	4
SPHPOT-h																	17	2	na	4
MEDLUP-h														50	1	NA				4
POTGRA-h														50	1	NA				4
POABUL-h					20	1	na													4
TRIDUB-h					20	1	na													4
ARESER-h				1																4
ARRELA-h											17									4
ASTOCC-h											17									4
BROHOR-h				1																4
Carex3-h											17									4
ERIANN-h								50	1	NA										4
ERYALI-h											17									4
FRALAT-s	33																			4
FRALAT-t	33																			4
LEEORY-h											17									4
PHLGRA-h				2																4
POLAMP-h											17									4
VERPER-h					0						17									4

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Exposed Rock-Barren							
	Iron Gate Reservoir (n=1)	Copco No. 2 Bypass (n=1)	Copco Reservoir (n=1)	Fall Creek (n=1)	Peaking (n=1)	JC Boyle bypass (n=1)	Frequency
	avg	avg	avg	avg	avg	avg	
BROTEC-h	3		1	2	2	2	83
POABUL-h	2	1	3	1	2		83
CHRNAU-h	2		2		1	2	67
PSESPI-h	1		2		3	1	67
BROJAP-h			1	2	2		50
ERILAN-h			1	1	2		50
ERINUD-h	2		1		2		50
ACHMIL-h	1		1		1		50
ARESER-h			1	2	1		50
GALPAR-h	1		1		1		50
PHAHET-h	1		1		1		50
CENSOL-h	1		1	1			50
EPIBRA-h	1				1	2	50
PENSPE-h	2	1				1	50
LAGRAM-h			1		1		33
BRODIA-h			1	2			33
DAUPUS-h			2		1		33
ALYALY-h				1	2		33
VULMIC-h					2	1	33
PRUSUB-h					1	2	33
QUEGAR-t		2			1		33
FESIDA-h		2		1			33
TORNOD-h		1		2			33
ELYELY-h			1				17
JUNOCC-s			1				17
TOXDIV-h			1				17
CEACUN-h			2				17
LOMCAL-h					3		17
ELYELY-h					2		17
ERIINO-h					2		17
STELAC-h					2		17
VITCAL-h					2		17
CEAINT-s					1		17
CIRCYM-h					1		17
COLGRA-h					1		17
GILCAP-h					1		17
JUNOCC-t					1		17
LONINT-h					1		17
AMSMEN-h				1			17
ANTCAU-h	2						17
BERAQU-h						1	17
CERBET-h		2					17
CIRARV-h	1						17
COLPAR-h		2					17
GARFRE-h		2					17
LONCIL-h		2					17

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Exposed Rock-Barren							
	Iron Gate Reservoir (n=1)	Copco No. 2 Bypass (n=1)	Copco Reservoir (n=1)	Fall Creek (n=1)	Peaking (n=1)	JC Boyle bypass (n=1)	Frequency
	avg	avg	avg	avg	avg	avg	
MENALB-h		1					17
PHILEW-h		1					17
PINPON-t		2					17
POTGLA-h	1						17
RHUTRI-s	1						17
RUMCRI-h	1						17
SISALT-h	1						17
TRADUB-h	1						17
VERTHA-h	1						17
QUEKEL-t		2					17
RIBVEL-h		1					17
VULMYU-h		1					17

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Klamath Mixed Conifer							
	Copco Reservoir (n=1)	Peaking (n=1)	JC Boyle Bypass (n=3)			JC Boyle Reservoir (n=1)	Frequency
	avg	avg	freq	avg	sd	avg	
PSEMEN-t	2	2	100	3.7	0.6	2	100
COLPAR-h	1	1	100	1.3	0.6	2	100
BERAQU-s	2		100	2.3	0.6	1	83
AMEALN-s	1		100	2	0		67
SYMALB-h			100	2	0	2	67
PINPON-t	2	2	33	2	NA	4	67
FRAVIR-h			100	2	0		50
SMIRAC-h			100	1.7	0.6		50
Bgrass-h			100	1.3	0.6		50
RIBVIS-h			100	1.3	0.6		50
COLGRA-h			100	1	0		50
ELYGLA-h			100	1	0		50
MOEGRA-h			100	1	0		50
QUEGAR-h		1	67	1	0		50
AMEALN-h			67	1	0	2	50
VULMIC-h		1	33	1	NA	1	50
FESIDA-h	1	1				2	50
APOAND-h	1		67	1	0		33
ABICON-t			67	2	0		33
CERBET-s			67	1.5	0.7		33
PSEJAM-h			67	1.5	0.7		33
HIEALB-h			67	1	0		33
RUBPAR-h			33	1	0		33
CALDEC-t	2	3					33
FRAVES-h	1					1	33
BROTEC-h	1					1	33
CALDEC-s	2						17
CEAINT-s	2						17
POABUL-h	2						17
CHRNAU-h	1						17
ERILAN-h	1						17
FRALAT-h	1						17
PINPON-h	1						17
QUEKEL-h	1						17
QUEKEL-t	1						17
RIBVEL-h	1						17
TORNOD-h	1						17
TOXDIV-h	1						17
ABICON-h			33	1	NA		17
CLARHO-h			33	1	NA		17
FESOCC-h			33	1	NA		17
GALAPA-h			33	1	NA		17
PAXMYR-h			33	1	NA		17
PHLGRA-h			33	1	NA		17
POTGLA-h			33	1	NA		17
PSEMEN-h			33	1	NA		17
QUEGAR-s			33	1	NA		17
SAMMEX-h			33	1	NA		17
VICAME-h			33	1	NA		17
CEAPRO-h						2	17

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Klamath Mixed Conifer							
	Copco Reservoir (n=1)	Peaking (n=1)	JC Boyle Bypass (n=3)			JC Boyle Reservoir (n=1)	Frequency
	avg	avg	freq	avg	sd	avg	
ARCPAT-h						1	17
CARMUL-h						1	17
Clarkia-h						1	17
EPIBRA-h						1	17
KELGAL-h						1	17
ROSGYM-h						1	17
Vicia-h						1	17
QUEGAR-t		2					17
ALYALY-h		1					17
GILCAP-h		1					17
JUNOCC-h		1					17
LONCIL-h		1					17

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Lodgepole Pine	
	JC Boyle Bypass
	avg
PSESPI-h	4
ERIBLO-h	3
PINCON-T	3
ELYELY-h	2
ELYGLA-h	2
ACHMIL-h	2
BROTEC-h	2
AMEALN-s	1
EPIBRA-h	1
SYMALB-h	1
RIBVEL-h	1
COLPAR-h	1
POTGLA-h	1
CHRVIS-h	1
POAPRA-h	1

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Montane Hardwood Oak-Conifer													
	Copco No. 2 Bypass (n=2)			Copco Reservoir (n=1)	Fall Creek (n=3)			Peaking(n=10)			JC Boyle Bypass (n=1)		Frequency
	freq.	avg	sd	avg	freq.	avg	sd	freq.	avg	sd	avg		
PINPON-t	100	1.5	0.7	2	100	2.7	0.6	100	2.4	0.5	2	100	
QUEGAR-t	100	2.5	2.1	3	100	1.7	1.2	100	2.2	0.6	3	100	
QUEGAR-h	100	1	0	1	100	1	0	90	1.1	0.3	1	94	
VULMIC-h	100	1.5	0.7		67	1.5	0.7	80	1.1	0.4	1	76	
ELYGLA-h				3	33			70	1.6	0.8	1	59	
POABUL-h	100	3	0	1	100	2	0	40	2	0.8		59	
CEAINT-s					100	2	0	50	1.4	0.9	2	53	
PINPON-h	100	1.5	0.7	1	33			50	1	0		53	
JUNOCC-s	100	1	0	2	67	1	0	40	1	0		53	
CARMUL-h					67	1.5	0.7	60	1	0		47	
COLGRA-h	50	1	NA		67	1	0	40	1	0	1	47	
APOAND-h								60	1	0	1	41	
QUEKEL-t	50	2	NA		67	2.5	0.7	40	2.8	1.0		41	
AMEALN-s				1	33			40	1	0	1	41	
BERAQU-h				2	67	2.5	0.7	30	1	0		35	
AMEALN-h				2	33			30	2	0	1	35	
BROTEC-h	100	1.5	0.7		33			30	1	0		35	
JUNOCC-h	100	1	0	1				20	1	0	1	35	
FESIDA-h	100	2	0	3	67	1.5	0.7	10				35	
POAPRA-h								50	1	0		29	
QUEKEL-h				1				40	1	0		29	
CERBET-h	100	1	0		33			10			2	29	
CALDEC-h								40	1	0		24	
SYMMOL-h								40	1	0		24	
OSMCHI-h				1	33			20	1	0		24	
ELYELY-h	50	1	NA		67	1	0	10				24	
COLPAR-h	100	2	0					10			2	24	
QUEGAR-s					67	1.5	0.7	20	1	0		24	
HIEALB-h								30	1	0		18	
LONINT-h								30	1	0		18	
POASEC-h								30	1.3	0.6		18	
SYMALB-s								30	1.7	1.2		18	
TORNOD-h					33			20	1	0		18	
Bgrass-h	50	2	NA					20	1	0		18	
Lupinu-h				1				20	1	0		18	
POLDOU-h								20	1	0	1	18	
SYMALB-h				2				20	2	0		18	

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Montane Hardwood Oak-Conifer												
	Copco No. 2 Bypass (n=2)			Copco Reservoir (n=1)	Fall Creek (n=3)			Peaking(n=10)			JC Boyle Bypass (n=1)	Frequency
	freq.	avg	sd	avg	freq.	avg	sd	freq.	avg	sd	avg	
Vicia-h				1				20	1.5	0.7		18
ACHMIL-h	50	1	NA		33			10				18
EPIBRA-h					33			10			1	18
TOXDIV-s	50	1	NA		33			10				18
Clarkia-h	100	2	0					10				18
CERBET-s					67	1	0				2	18
Astrag-h								20	1	0		12
CALDEC-t								20	1.5	0.7		12
ERIINO-h								20	1.5	0.7		12
FRAVIR-h								20	1	0		12
LACSER-h								20	1	0		12
LONHIS-h								20	1.5	0.7		12
Piperi-h								20	1	0		12
RHACAL-s								20	1	0		12
RUBDIS-s								20	1	0		12
SOLCAN-h								20	1	0		12
SYMMOL-s								20	1	0		12
TRILAT-h								20	1.5	0.7		12
ARESER-h	50	1	NA					10				12
KOECRI-h	50	1	NA					10				12
PHLGRA-h	50	1	NA					10				12
RIBVEL-s	50	1	NA					10				12
JUNOCC-t				1				10				12
TOXDIV-h				1				10				12
TRADUB-h				1				10				12
BROJAP-h					33			10				12
DICCAP-h					33			10				12
FESOCC-h								10			1	12
PINPON-s								10			2	12
PSEMEN-h								10			1	12
PSEMEN-s								10			1	12
ERILAN-h	100	1	0									12
LONCIL-h	100	1.5	0.7									12
BALDEL-h					67	1.5	0.7					12
QUEGAR-s												12
ACHLEM-h								10				5.9
ALLACU-h								10				5.9

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Montane Hardwood Oak-Conifer												
	Copco No. 2 Bypass (n=2)			Copco Reservoir (n=1)	Fall Creek (n=3)			Peaking(n=10)			JC Boyle Bypass (n=1)	Frequency
	freq.	avg	sd	avg	freq.	avg	sd	freq.	avg	sd	avg	
ALNRHO-s								10				5.9
ATHPUS-h								10				5.9
BRANIG-h								10				5.9
BROCAR-h								10				5.9
BROHOR-h								10				5.9
Bromus-h								10				5.9
CEACUN-s								10				5.9
CEAINT-h								10				5.9
Crypta-h								10				5.9
ERINUD-h								10				5.9
GALAPA-h								10				5.9
GALPAR-h								10				5.9
HYPPER-h								10				5.9
LEPCAM-h								10				5.9
PHILEW-s								10				5.9
PRUSUB-h								10				5.9
PRUVIR-h								10				5.9
RUMSAL-h								10				5.9
SWEALB-h								10				5.9
TRIERI-h								10				5.9
VULMYU-h								10				5.9
AGORET-h					33							5.9
Crepis-h					33							5.9
Fritti-h					33							5.9
HESMIC-h					33							5.9
DACGLO-h				2								5.9
EQUARV-h				2								5.9
HOLLAN-h				2								5.9
PHLPRA-h				2								5.9
RUBDIS-h				2								5.9
STAAJU-h				2								5.9
CARSTI-h				1								5.9
CIRVUL-h				1								5.9
FRALAT-h				1								5.9
FRALAT-s				1								5.9
Galium-h				1								5.9
LONCIL-h				1								5.9

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Montane Hardwood Oak-Conifer												
	Copco No. 2 Bypass (n=2)			Copco Reservoir (n=1)	Fall Creek (n=3)			Peaking(n=10)			JC Boyle Bypass (n=1)	Frequency
	freq.	avg	sd	avg	freq.	avg	sd	freq.	avg	sd	avg	
POTGLA-h				1								5.9
RUMCRI-h				1								5.9
ACEMAC-t	50	1	NA									5.9
CHRNAU-h	50	1	NA									5.9
CONARV-h	50	1	NA									5.9
GARFRE-h	50	1	NA									5.9
Phacel-h	50	1	NA									5.9
PLECIL-h	50	1	NA									5.9
Plectr-h	50	1	NA									5.9
RHUTRI-h	50	1	NA									5.9
RHUTRI-s	50	1	NA									5.9
VERTHA-h	50	1	NA									5.9
PRUEMA-s											2	5.9
BALSAG-h											1	5.9
GILCAP-h											1	5.9
LONCIL-h											1	5.9
MENALB-h											1	5.9
MOEGRA-h											1	5.9
Sanicu-h											1	5.9
VICAME-h											1	5.9

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Perennial Grassland													
	Fall Creek (n=1)	Peaking (n=4)			JC Boyle Bypass (n=2)			JC Boyle Reservoir (n=1)	Keno Reservoir (n=5)				Frequency
	avg	freq	avg	sd	freq	avg	sd	avg	freq	avg	sd		
POABUL-h	2	100	2.8	1.0	50	1	NA	1					54
BROJAP-h	2	25			100	1.5	0.7	1	40	1.5	0.7		54
EPIBRA-h	2	25			100	2	0	3	20	1	NA		46
POAPRA-h		50	2.5	0.7	50	2	NA		40	1.5	0.7		38
BROTEC-h	3	25			50	1	NA		40	2	0		38
LAGRNA-h	2	50	1	0	50	3	NA						31
PSESPI-h		25			100	2	0		20	1	NA		31
AGRCAP-h		50	1.5	0.7					20	2	NA		23
BROHOR-h	1	50	1.5	0.7									23
ERILAN-h		25			100	1	0						23
POLDOU-h		25			100	1.5	0.7						23
LACSER-h		25	1	NA	50	1	NA		20	2	NA		23
ACHMIL-h		25							40	1	0		23
CIRARV-h		25							40	1.5	0.7		23
ELYELY-h					50	1	NA		40	2	0		23
ELYGLA-h	1							3	20	3	NA		23
DIPSYL-h		50	1	0									15
HOLLAN-h		50	1	0									15
LEPCNA-h		50	1	0									15
PHLPRA-h		50	1	0									15
PLALAN-h		50	3	1.4									15
RUMCRI-h		50	1	0									15
TAROFF-h		50	1	0									15
TRADUB-h		25			50	1	NA						15
CHRNAU-s		25							20	2	NA		15
CIRVUL-h		25	1	NA					20	1	NA		15
Trifol-h		25							20	1	NA		15
EROCIC-h	3	25											15
TAECAP-h	2	25											15
SYMALB-h					100	1.5	0.7						15
DISSPI-h									40	3.5	0.7		15
HORBRA-h									40	1.5	0.7		15
LEYTRI-h									40	3	0		15
PANCAP-h									40	1.5	0.7		15
SISALT-h									40	1.5	0.7		15
ACHLEM-h		25											8
ANTCOT-h		25											8

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Perennial Grassland												
	Fall Creek (n=1)	Peaking (n=4)			JC Boyle Bypass (n=2)			JC Boyle Reservoir (n=1)	Keno Reservoir (n=5)			Frequency
	avg	freq	avg	sd	freq	avg	sd	avg	freq	avg	sd	
APOCAN-h		25										8
BRODIA-h		25										8
Carex-h		25	2	NA								8
CARNEB-h		25										8
Crepis-h		25										8
DACGLO-h		25										8
DAUPUS-h		25										8
DESDAN-h		25										8
ERINUD-h		25										8
LOMCAL-h		25										8
LOMNUD-h		25										8
QUEGAR-h		25										8
RUBDIS-s		25										8
TORNOD-h		25										8
VERBLA-h		25										8
VERTHA-h		25										8
VULMYU-h		25										8
NAEALN-h					50	1	NA					8
ANTARG-h					50	1	NA					8
COLGRA-h					50	2	NA					8
COLPAR-h					50	1	NA					8
FESIDA-h					50	2	NA					8
PHAHET-h					50	1	NA					8
Vicia-h					50	1	NA					8
CARDRA-h									20	2	NA	8
CARPR1-h									20	3	NA	8
CHEALB-h									20	2	NA	8
CONMAC-h									20	1	NA	8
Descur-h									20	1	NA	8
ELYINT-h									20	4	NA	8
ELYPON-h									20	1	NA	8
FESARU-h									20	2	NA	8
Hordeu-h									20	1	NA	8
HORJUB-h									20	3	NA	8
JUNBAL-h									20	2	NA	8
LOLPER-h									20	1	NA	8
Mentha-h									20	1	NA	8

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Perennial Grassland													
	Fall Creek (n=1)	Peaking (n=4)			JC Boyle Bypass (n=2)			JC Boyle Reservoir (n=1)	Keno Reservoir (n=5)				Frequency
	avg	freq	avg	sd	freq	avg	sd	avg	freq	avg	sd		
PANOCC-h									20	1	NA		8
POASEC-h									20	2	NA		8
POTANS-h									20	1	NA		8
SIDORE-h									20	1	NA		8
TAROFF-h									20	1	NA		8
THEBRA-h									20	1	NA		8
URTDIO-h									20	2	NA		8
AIRCAR-h								2					8
LOTPUR-h								2					8
ERIBLO-h								1					8
MELALB-h								1					8
CENSOL-h	4												8
NASMEN-h	1												8

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Ponderosa Pine																
	Peaking (n=2)															
	freq	avg	sd													
	freq	avg	sd	JC Boyle Bypass (n=4)	freq	avg	sd	JC Boyle Reservoir (n=5)	freq	avg	sd	Keno Canyon (n=2)	freq	avg	sd	Keno Reservoir (n=1)
PINPON-t	100	3	0	100	3.5	0.5	100	3.6	0.6	100	3	1.4	2	100		
ELYELY-h	50			100	1.5	0.6	80	2	0.8	50	1	NA	1	79		
AMEALN-h	100	1.5	0.7	100	1.8	0.5	60	1.7	1.2	50	1	NA		71		
ELYGLA-h	50			75	1.7	0.6	60	2	0	50	3	NA	2	64		
PINPON-h	50			50	1	0	80	1.3	0.5	50	1	NA		57		
COLPAR-h	50			25	1	NA	80	1.3	0.5	50	1	NA	1	57		
AMEALN-s				75	1.7	0.6	60	1.7	0.6	50	2	NA		50		
PINPON-s				25	1	NA	60	1.7	0.6	100	1	0	1	50		
POAPRA-h	100	1	0				60	1.7	0.6	50	1	NA	3	50		
ERIBLO-h				75	1	0	20			50	2	NA	1	43		
SYMALB-h	50			50	1	0	60	1.7	0.6					43		
EPIBRA-h				50	1	0	40	1.5	0.7	100	1	0		43		
COLGRA-h	100	1	0	25	2	NA	20			100	1.5	0.7		43		
FESIDA-h	50			25	1	NA	60	1.3	0.6				1	43		
FRAVES-h				75	1.3	0.6	40	2.5	0.7					36		
BERAQU-h	100	2	0	50	1	0	20							36		
Vicia-h	100	1		25	1	NA	40	1	0					36		
APOAND-h	50			25	1	NA	20			100	1	0		36		
PRUVIR-h				50	1	0	20			50	1	NA		29		
POABUL-h	50	1	NA	25	1	NA	20						2	29		
SYMALB-s	50						20			50	2	NA	2	29		
BROTEC-h							20			100	2	0	1	29		
ERILAN-h							40	1	0	50	1	NA	1	29		
RIBVEL-s							40	1	0	50	1	NA	2	29		
VULMIC-h							60	1.3	0.6				1	29		
PSEMEN-s	50			50	1.5	0.7								21		
OSMCHI-h				50	1	0				50	1	NA		21		
RIBVEL-h				50	1.5	0.7	20							21		
VICAME-h				50	1.5	0.7				50	1	NA		21		
QUEGAR-h	100	1	0	25	1	NA								21		
Clarkia-h	50			25	1	NA							1	21		
ACHMIL-h				25	1	NA	20			50	1	NA		21		
ANTARG-h				25	1	NA	20			50	1	NA		21		
ERIINO-h				25	1	NA				100	1	0		21		
PHAHET-h				25	1	NA	20			50	1	NA		21		
PRUVIR-s				25	2	NA				50	2	NA	1	21		
PSEMEN-t	100	2	0				20							21		
JUNOCC-t							20			50	1	NA	1	21		
TRADUB-h							20			50	1	NA	1	21		
BERAQU-s				50	1	0								14		
FESOCC-h				50	1.5	0.7								14		
MONODO-h				50	1	0								14		
CEAINT-s	50			25	1	NA								14		
QUEGAR-s	50			25	1	NA								14		
CHRVIS-h				25	1	NA	20							14		
JUNOCC-s				25	1	NA	20							14		
RIBROE-h	100	1	0											14		
ACHTHU-h							20						1	14		
AGAURT-h							20			50	1	NA		14		
ARTTRI-h							20						1	14		
CHRVIS-s							40	1.5	0.7					14		
ERIUMB-h							40	1	0					14		
PAEBRO-h							40	1	0					14		
PENSPE-h							40	1	0					14		
PHLGRA-h										100	1	0		14		
PSESPI-h										50	2	NA	3	14		
PURTRI-s							40	2	0					14		
SAMMEX-h							40	1	0					14		
ABICON-h				25	2	NA								7.1		
ARCPAT-s				25	2	NA								7.1		
CHRNAU-s				25	2	NA								7.1		
FRAVIR-h				25	1	NA								7.1		
PHILEW-s				25	2	NA								7.1		

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Ponderosa Pine																					
	Peaking (n=2)						JC Boyle Bypass (n=4)				JC Boyle Reservoir (n=5)				Keno Canyon (n=2)				Keno Reservoir (n=1)		Frequency
	freq	avg	sd	freq	avg	sd		freq	avg	sd	freq	avg	sd	freq	avg	sd	avg				
POTGLA-h				25	1	NA														7.1	
PRUEMA-h				25	1	NA														7.1	
CARMUL-h	50																			7.1	
JUNOCC-h	50																			7.1	
PRUSUB-h	50																			7.1	
PSEMEN-h	50																			7.1	
QUEGAR-t	50																			7.1	
AGOGRA-h										20										7.1	
CARROS-h										20										7.1	
CEAPRO-h														50	1	NA				7.1	
CERBET-h										20										7.1	
CERBET-s														50	1	NA				7.1	
CHEALB-h														50	1	NA				7.1	
CIRVUL-h										20	1	NA								7.1	
CLARHO-h														50	1	NA				7.1	
DACGLO-h																		1		7.1	
GALAPA-h										20										7.1	
Galium-h														50	2	NA				7.1	
GILCAP-h														50	1	NA				7.1	
KELGAL-h										20										7.1	
LACSER-h										20										7.1	
Lathyr-h														50	1	NA				7.1	
LUPARG-h										20										7.1	
Lupinu-h										20										7.1	
MACCAN-h														50	1	NA				7.1	
MADGRA-h														50	1	NA				7.1	
MENDIS-h																			1	7.1	
ONOACA-h														50	1	NA				7.1	
PHARAM-h														50	2	NA				7.1	
Plectr-h														50	1	NA				7.1	
POLDOU-h														50	1	NA				7.1	
PRUSUB-s														50	2	NA				7.1	
Viola-h														50	1	NA				7.1	

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Rabbitbrush			
	Keno Reservoir (n=1)	Link River (n=1)	Frequency
	avg	avg	
BROTEC-h	2	3	100
CHRNAU-s	3	1	100
ERIELA-h		4	50
PRUSUB-s		3	50
BROJAP-h		2	50
Phacel-h		2	50
PSESPI-h		2	50
COLGRA-h		1	50
ELYELY-h		1	50
ERILAN-h		1	50
LINDAL-h		1	50
POABUL-h		1	50
SISALT-h		1	50
TAECAP-h		1	50
ELEMAC-h	2		50
FESARU-h	2		50
JUNBAL-h	2		50
POAPRA-h	2		50
ACHMIL-h	1		50
EQUHYE-h	1		50
Hordeu-h	1		50
PANCAP-h	1		50
PYRLAN-h	1		50

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area. This vegetation type was only found at Keno reservoir so in the text, this type became a subset of the annual grassland type.

The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Alkali Meadow				
	Keno Reservoir (n=2)			
	count	avg	sd	Frequency
POTANS-h	2	2.5	0.7	100
NITOC-h	2	2.5	0.7	100
ATRPAT-h	2	2	0	100
THEBRA-h	2	2	1.4	100
JUNBAL-h	1	4		50
DISSPI-h	1	3		50
CARPR1-h	1	3		50
MUHRIC-h	1	3		50
SONASP-h	1	2		50
SPHPOT-h	1	2		50
LACSER-h	1	1		50
HORJUB-h	1	1		50

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Pasture-Irrigated Hayfield									
	Iron Gate-Shasta (n=1)	Copco Reservoir (n=1)	Peaking (n=4)			Keno Reservoir (n=3)			Frequency
	avg	avg	freq	avg	sd	freq	avg	sd	
CENSOL-h	4	2	50	2.5	2.1				44
LACSER-h			50	1	0	67	1	0	44
PHLPRA-h		2	75	1	0				44
RUMCRI-h			75	1	0	33	1		44
POLARE-h			75	1.3	0.6				33
PLALAN-h			50	1.5	0.7	33	2		33
CONARV-h	2		50	1					33
CIRVUL-h		1				67	2	0	33
BROHOR-h			50	1	0				22
CICINT-h			50	1.5	0.7				22
Hordeu-h			50	3.5	0.7				22
LAGRAM-h			50	1	0				22
LOLPER-h			50	1.5	0.7				22
POLLAP-h			50	2.5	0.7				22
RUMSAL-h			50	1	0				22
EPIBRA-h			25	1		33	2		22
POAPRA-h			25	2		33	3		22
POABUL-h	2		25	2	NA				22
TAECAP-h	3		25	1					22
ACHMIL-h						67	1.5	0.7	22
CIRARV-h						67	2.5	0.7	22
ELYPON-h						67	2.5	2.1	22
VERTHA-h						67	1	0	22
BROJAP-h		2				33	2		22
ELYGLA-h		2				33	2		22
AGRCAP-h			25	1					11
ANTCOT-h			25	1					11
BIDFRO-h			25	1					11
Carex-h			25	2					11
CARNEB-h			25	3					11
ELEMAC-h			25	4					11
EPICIL-h			25	2					11
HOLLAN-h			25	2					11
JUNENS-h			25	2					11
JUNXIP-h			25	1					11
LEPCAM-h			25	2					11
MYOLAX-h			25	1					11

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Pasture-Irrigated Hayfield									
	Iron Gate-Shasta (n=1)	Copco Reservoir (n=1)	Peaking (n=4)			Keno Reservoir (n=3)			Frequency
	avg	avg	freq	avg	sd	freq	avg	sd	
PLAMAJ-h			25	1					11
POLHYD-h			25	2					11
ARCMIN-h						33	1		11
ATRPAT-h						33	1		11
AVEBAR-h						33	2		11
CONMAC-h						33	2		11
DIPSYL-h						33	1		11
DISSPI-h						33	5		11
ERIANN-h						33	2		11
GRINAN-h						33	1		11
HORVUL-h						33	1		11
Lupinu-h						33	1		11
LUPMIC-h						33	1		11
Medica-h						33	4		11
MELALB-h						33	1		11
POTANS-h						33	1		11
PYRLAN-h						33	1		11
SISALT-h						33	3		11
TRADUB-h						33	2		11
Trifol-h						33	1		11
DACGLO-h		2							11
FESIDA-h		2							11
FRAVES-h		3							11
RUBDIS-h		1							11
TORNOD-h		3							11

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Sagebrush					
	JC Boyle Reservoir (n=3)			Keno Reservoir (n=1)	Frequency
	freq	avg	sd	avg	
ARTTRI-s	100	4.33	1.2	3	100
BROTEC-h	100	2.3	0.6	3	100
ELYELY-h	67	2	0	2	75
Astrag-h	67	1	0		50
CHRVIS-s	33	1	NA	2	50
EPIBRA-h	67	1	0		50
ERIBLO-h	67	2	0		50
PINPON-s	67	1	0		50
POAPRA-h	67	2	1.4		50
TRADUB-h	33	1	NA	1	50
ARESER-h	33	1	NA		25
Collin-h	33	1	NA		25
COLPAR-h	33	1	NA		25
EQUHYE-h	33	1	NA		25
ERILIN-s	33	2	NA		25
LOTPUR-h	33	1	NA		25
LUPARG-h	33	2	NA		25
Lupinu-h	33	1	NA		25
SWEALB-h	33	1	NA		25
POASEC-h				2	25
JUNOCC-s				1	25
LEYCIN-h				1	25
MUHFIL-h				1	25
RIBVEL-h				1	25

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Riparian Mixed Forest					
	Fall Creek (n=3)			Peaking (n=1)	Frequency
	freq	avg	sd	avg	
ALNRHO-t	100	2.7	0.6	2	100
AMEALN-s	100	2	0	2	100
BERAQU-h	100	2	0	1	100
ELYGLA-h	100	1	0	1	100
HOLLAN-h	100	1	0	1	100
PSEMEN-t	100	2.3	0.6	2	100
FRALAT-t	67	1.5	0.7	1	100
ALNRHO-s	100	1	0		75
ASTEAT-h	100	1	0		75
BETOCC-t	100	2	0		75
CICDOU-h	100	1	0		75
EPICIL-h	100	1	0		75
OSMCHI-h	100	1	0		75
PHYCAP-s	100	1.7	0.6		75
SPIDOU-s	100	2.3	0.6		75
SYMALB-h	100	1.7	0.6		75
TOXDIV-s	100	1	0		75
CIRVUL-h	67	1	0	1	75
EQUARV-h	67	1	0	1	75
POAPRA-h	67	1	0	1	75
STAAJU-h	67	1	0	1	75
BROTEC-h	33			1	50
EQUHYE-h	33			1	50
PLALAN-h	33			1	50
POABUL-h	33			2	50
TORNOD-h	33			3	50
Carex-h	67	1.5	0.7		50
CARNEB-h	67	1	0		50
CHRLEU-h	67	1	0		50
CORSER-h	67	1.5	0.7		50

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1 = < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Riparian Mixed Forest					
	Fall Creek (n=3)			Peaking (n=1)	Frequency
	freq	avg	sd	avg	
FRALAT-s	67	1	0		50
MIMGUT-h	67	1	0		50
PRUVUL-h	67	1	0		50
QUEKEL-h	67	1	0		50
QUEKEL-t	67	1	0		50
SALLAS-s	67	2	0		50
SCIMIC-h	67	1	0		50
BIDFRO-h				1	25
BRODIA-h				2	25
BROTEC-h				1	25
COLGRA-h				1	25
CYNECH-h				1	25
ELYELY-h				1	25
FESIDA-h				3	25
FRALAT-t				1	25
LACSER-h				1	25
Lathyr-h				1	25
LEPCAM-h				1	25
LOMCAL-h				2	25
LONINT-h				2	25
MELALB-h				1	25
PHAARU-h				2	25
PINPON-s				1	25
PRUVIR-s				1	25
QUEGAR-t				2	25
RUMCRI-h				1	25
SALEXI-s				2	25
SOLDUL-h				1	25
SYMMOL-h				1	25
TOXDIV-h				2	25

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Riparian Mixed Forest					
	Fall Creek (n=3)			Peaking (n=1)	Frequency
	freq	avg	sd	avg	
TRADUB-h				1	25
VITCAL-h				2	25
AGORET-h	33				25
AGRCAP-h	33				25
HERLAN-h	33				25
LILCOL-h	33				25
PHILEW-s	33				25
PINPON-t	33				25
RHUTRI-s	33				25

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The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Rock Talus					
	Copco Reservoir (n=1)	Peaking (n=3)			Frequency
	avg	freq	avg	sd	
QUEGAR-t		67	1.5	0.7	50
CEAINT-s		67	1.5	0.7	50
AMEALN-s		67	1	0	50
TOXDIV-s	2	33	2		50
TORNOD-h	1	33	1		50
ERILAN-h	1	33	1		50
ELYELY-h	1	33	1		50
BROTEC-h	1	33	1		50
VULMIC-h		33	1		25
TAECAP-h		33	1		25
RIBVEL-h		33	1		25
RIBROE-h		33	1		25
QUEKEL-t		33	2		25
QUEKEL-s		33	1		25
QUEGAR-s		33	1		25
PRUVIR-h		33	1		25
PRUSUB-s		33	1		25
PRUSUB-h		33	3		25
POABUL-h		33	2		25
PINPON-h		33	1		25
PHILEW-s		33	2		25
LONINT-h		33	1		25
LAGRAM-h		33	1		25
GILCAP-h		33	1		25
ERINUD-h		33	1		25
EPIBRA-h		33	1		25
BROJAP-h		33	1		25
BROCIL-h		33	2		25
ATHPUS-h		33	1		25
ALYALY-h		33	1		25
PSESPI-h	1	0			25
LONCIL-h	1	0			25

Appendix Table 2B-2. Species frequency and abundance for the sampled vegetation cover types in the Klamath Project area.

The averages and standard deviations for abundance data are based on mean cover class (Class 1= < 1 percent or trace amount; Class 2 = 1 to 25 percent; Class 3 = 25 to 50 percent; Class 4 = 50 to 75 percent; Class 5 = 75 to 100 percent). The averages are intended only as generalized indicators of abundance given the unequal cover ranges within the cover classes. The average values are calculated only for plots in which the species is present.

Riverine Unconsolidated Shoreline			
	Iron Gate-Shasta		Frequency
	avg	avg	
PASDIS-h	4		50
CHEAMB-h	1		50
MENARV-h	1		50
PLAMAJ-h	1		50
POLLAP-h	1		50
PURTRI-h	1		50
RUMCRI-h	1		50
SCIACU-h	1		50
BRANIG-h		3	50
MELALB-h		3	50
ARTDOU-h		2	50
DIPSYL-h		2	50
EUTOCC-h		2	50
LEPCAM-h		2	50
RUMSAL-h		2	50
BROJAP-h		1	50
CICINT-h		1	50
HELANN-h		1	50
HYPPER-h		1	50
LACSER-h		1	50
LAMAMP-h		1	50
PLALAN-h		1	50
SALEXI-s		1	50
SAPOFF-h		1	50