

Appendix: Supplement A-1  
Rare Plant Scoping List and Survey Results- 2012

<b>Appendix Supplement A-1 -- Big River Rare Plant Scoping List with Results -- 2012</b>				
Latin Name	Plant Family	Common Name	CA Rare Rank	Survey Result
<i>Abronia umbellata</i> <i>ssp. breviflora</i>	Nyctaginaceae	Pink sand- verbena	1B.1	Known habitat conditions lacking within Project area
<i>Agrostis blasdalei</i>	Poaceae	Blasdale's bent grass	1B.2	Known habitat conditions lacking within Project area
<i>Angelica lucida</i>	Apiaceae	Sea-watch	4.2	Known habitat conditions lacking within Project area
<i>Arctostaphylos nummularia</i> ssp. <i>mendocinoensis</i>	Ericaceae	Pygmy manzanita	1B.2	Pygmy forest soil type not within Project area.
<i>Astragalus agnicidus</i>	Fabaceae	Humboldt milk- vetch	1B.1	Appropriate conditions may be present; no <i>Astragalus</i> species observed.
<i>Astragalus pycnostachyus</i> var. <i>pycnostachyus</i>	Fabaceae	Coastal marsh milk-vetch	1B.2	Known habitat conditions lacking within Project area
<i>Blennosperma nanum</i> var. <i>robustum</i>	Asteraceae	Pt. Reyes blennosperma	1B.2	Known habitat conditions lacking within Project area
<i>Calamagrostis bolanderi</i>	Poaceae	Bolander's reed grass	4.2	Appropriate conditions are present; no <i>Calamagrostis</i> species identified from Project area, but plants of this taxon could be present in roadside ditches.
<i>Calamagrostis crassiglumis</i>	Poaceae	Thurber's reed grass	2.1	Appropriate conditions are present; no <i>Calamagrostis</i> species identified from Project area.
<i>Calamagrostis foliosa</i>	Poaceae	Leafy reed gras	4.2	Appropriate conditions are present; no <i>Calamagrostis</i> species identified from Project area.
<i>Calandrinia breweri</i>	Poaceae	Brewer's calandrinia	4.2	Known habitat conditions lacking within Project area
<i>Calochortus uniflorus</i>	Liliaceae	Large-flowered mariposa lily	4.2	Known habitat conditions lacking within Project area

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<i>Calystegia purpurata</i> ssp. <i>saxicola</i>	Convolvulaceae	Coastal bluff morning-glory	1B.2	Known habitat conditions lacking within Project area
<i>Campanula californica</i>	Campanulaceae	Swamp harebell	1B.2	Appropriate conditions for this plant are present in Project area; no plants observed during surveys.
<i>Carex arcta</i>	Cyperaceae	Northern clustered sedge	2.2	Appropriate conditions for this plant are not likely present; no <i>Carex</i> identified fit the description for this taxon.
<i>Carex californica</i>	Cyperaceae	California sedge	2.3	Appropriate conditions for this plant are not likely present; no <i>Carex</i> identified fit the description for this taxon.
<i>Carex lenticularis</i> var. <i>limnophila</i>	Cyperaceae	Lagoon sedge	2/2	Appropriate conditions for this plant are not likely present; no <i>Carex</i> identified fit the description for this taxon.
<i>Carex livida</i>	Cyperaceae	Livid sedge	1A	Appropriate conditions for this plant are not likely present; no <i>Carex</i> identified fit the description for this taxon.
<i>Carex lyngbyei</i>	Cyperaceae	Lyngbye's sedge	1B.2	Appropriate conditions for this sedge are present near, but not in, the Project area; this <i>Carex</i> species was not identified from the Project area.
<i>Carex saliniformis</i>	Cyperaceae	Deceiving sedge	1B.2	Appropriate conditions for this plant are not likely present; no <i>Carex</i> identified fit the description for this taxon.
<i>Carex viridula</i> var. <i>viridula</i>	Cyperaceae	Green-yellow sedge	2.3	Appropriate conditions for this plant are not likely present; no <i>Carex</i> identified fit the description for this taxon.
<i>Castilleja affinis</i> ssp. <i>litoralis</i>	Orobanchaceae	Oregon Coast painbrush	2.2	Known habitat conditions lacking within Project area
<i>Castilleja ambigua</i> ssp. <i>ambigua</i>	Orobanchaceae	Johnny-nip	4.2	Known habitat conditions lacking within Project area

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<i>Castilleja mendocinensis</i>	Orobanchaceae	Mendocino Coast paintbrush	1B.2	Known habitat conditions lacking within Project area
<i>Ceanothus gloriosus</i> var. <i>gloriosus</i>	Rhamnaceae	Pt. Reyes ceanothus	4.3	Known habitat conditions lacking within Project area
<i>Chorizanthe howellii</i>	Polygonaceae	Howells spineflower	1B.2	Known habitat conditions lacking within Project area
<i>Clarkia amoena</i> ssp. <i>whitneyi</i>	Onagraceae	Whitney's farewell-to-spring	1B.1	Known habitat conditions lacking within Project area
<i>Coptis laciniata</i>	Ranunculaceae	Oregon goldthread	2.2	A population of this taxon grows in the Project area, and will be marked and avoided prior to work in that area.
<i>Cuscuta pacifica</i> var. <i>papillata</i>	Convolvulaceae	Mendocino dodder	1B.2	Known habitat conditions lacking within Project area
<i>Cypripedium californicum</i>	Orchidaceae	California lady's-slipper	4.2	Known habitat conditions lacking within Project area
<i>Cypripedium fasciculatum</i>	Orchidaceae	Clustered lady's-slipper	4.2	Known habitat conditions lacking within Project area
<i>Cypripedium montanum</i>	Orchidaceae	Mountain lady's-slipper	4.2	Known habitat conditions lacking within Project area
<i>Epilobium septentrionale</i>	Onagraceae	Humboldt County fuchsia	4.3	Known habitat conditions lacking within Project area
<i>Erigeron supplex</i>	Asteraceae	supple daisy	1B.2	Known habitat conditions lacking within Project area
<i>Erysimum menziesii</i> ssp. <i>menziesii</i>	Brassicaceae	Menzies's wallflower	1B.1	Known habitat conditions lacking within Project area
<i>Erythronium revolutum</i>	Liliaceae	Coast fawn lily	2.2	Generally known habitat conditions are present within Project area; no <i>Erythronium</i> plants observed.

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<i>Fissidens pauperculus</i>	Fissidentaceae	Minute pocket moss	1B.2	Known habitat conditions lacking within Project area
<i>Fritillaria roderickii</i>	Liliaceae	Roderick's fritillary	1B.1	Known habitat conditions lacking within Project area
<i>Gilia capitata</i> ssp. <i>pacifica</i>	Polemoniaceae	Pacific gilia	1B.2	Known habitat conditions lacking within Project area
<i>Gilia millefoliata</i>	Polemoniaceae	Dark-eyed gilia	1B.2	Known habitat conditions lacking within Project area
<i>Glyceria grandis</i>	Poaceae	American manna grass	2.3	Habitat conditions may be present within Project area; no <i>Glyceria</i> species observed.
<i>Hemizonia congesta</i> ssp. <i>congesta</i>	Asteraceae	White seaside tarplant	1B.2	Known habitat conditions lacking within Project area
<i>Hesperevax sparsiflora</i> var. <i>brevifolia</i>	Asteraceae	Short-leaved evax	1B.2	Known habitat conditions lacking within Project area
<i>Hesperocyparis pygmaea</i>	Cupressaceae	Pygmy cypress	1B.2	Pygmy forest soil conditions not present within Project area.
<i>Horkelia marinensis</i>	Rosaceae	Pt. Reyes horkelia	1B.2	Known habitat conditions lacking within Project area
<i>Horkelia tenuiloba</i>	Rosaceae	Thin-lobed horkelia	1B.2	Generally known habitat conditions may be present within Project area; no <i>Horkelia</i> plants observed.
<i>Hosackia gracilis</i>	Fabaceae	Harlequin lotus	4.2	Known habitat conditions lacking within Project area
<i>Juncus supiniformis</i>	Juncaceae	Hair-leaved rush	2.2	Habitat conditions suitable for this taxon may be present within Project area; no <i>Juncus</i> species identified fit this taxon's description.
<i>Kopsiopsis hookeri</i>	Orobanchaceae	Small groundcone	2.3	Habitat for this species may be present within Project area (host plants present); no plant matching this <i>Kopsiopsis</i> species observed.

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<i>Lasthenia californica</i> <i>ssp. bakeri</i>	Asteraceae	Baker's goldfields	1B.2	Known habitat conditions lacking within Project area
<i>Lasthenia californica</i> <i>ssp. macrantha</i>	Asteraceae	Perennial goldfields	1B.2	Known habitat conditions lacking within Project area
<i>Lathyrus palustris</i>	Fabaceae	Marsh pea	2.2	Known habitat conditions lacking within Project area
<i>Leptosiphon latisectus</i>	Polemoniaceae	Broad-lobed leptosiphon	4.3	Known habitat conditions lacking within Project area
<i>Lilium maritum</i>	Liliaceae	Coast lily	1B.1	Habitat for this taxon could be present within Project area; only <i>Lilium pardalinum</i> ssp. <i>pardalinum</i> observed.
<i>Lilium rubescens</i>	Liliaceae	Redwood lily	4.2	Habitat for this taxon could be present within Project area; only <i>Lilium pardalinum</i> ssp. <i>pardalinum</i> observed
<i>Listera cordata</i>	Orchidaceae	Heart-leaved twayblade	4.2	Habitat conditions for this taxon are present within Project area, especially at M1-4.05; no <i>Listera</i> plants observed.
<i>Lycopodium clavatum</i>	Lycopodiaceae	Running ground- pine	4.1	Habitat conditions for this taxon may be present within Project area; no <i>Lycopodium</i> plants observed.
<i>Malacothamnus hallii</i>	Malvaceae	Hall's bush- mallow	1B.2	Known habitat conditions lacking within Project area
<i>Microseris borealis</i>	Asteraceae	Northern microseris	2.1	Known habitat conditions likely lacking; Project area is out of known geographic range for this plant.
<i>Microseris paludosa</i>	Asteraceae	Marsh microseris	1B.2	Known habitat conditions lacking within Project area
<i>Mitellastra caulescens</i>	Saxifragaceae	Leafy-stemmed mitrewort	4.2	Plants observed within Project area; avoidance and mitigation measures in place in original MND.

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<i>Packera bolanderi</i> var. <i>bolanderi</i>	Asteraceae	Seacoast ragwort	2.2	This taxon grows within the Big River unit; known habitat conditions are not optimal within Project area; no <i>Packera</i> species observed.
<i>Perideridia gairdneri</i> ssp. <i>gairdneri</i>	Apiaceae	Gairdner's yampah	4.2	Known habitat conditions lacking within Project area
<i>Phacelia insularis</i> var. <i>continentis</i>	Boraginaceae	North Coast phacelia	1B.2	Known habitat conditions lacking within Project area
<i>Pinus contorta</i> ssp. <i>bolanderi</i>	Pinaceae	Bolander's pine	1B.2	Pygym forest soil conditions not present within Project area.
<i>Piperia candida</i>	Orchidaceae	White-flowered rein orchid	1B.2	Appropriate habitat may exist within Project area; no <i>Piperia</i> species observed.
<i>Pityopus californica</i>	Ericaceae	California pinefoot	4.2	Appropriate habitat may exist within Project area; no <i>Pityopus</i> species (or any achlorophyllous species) observed
<i>Pleuropogon hooverianus</i>	Poaceae	North Coast semaphore grass	1B.1	Known habitat conditions lacking within Project area
<i>Pleuropogon refractus</i>	Poaceae	Nodding semaphore grass	4.2	Appropriate habitat may exist within Project area; no <i>Pleuropogon</i> species observed.
<i>Puccinellia pumila</i>	Poaceae	Dwarf alkali grass	2,2	Appropriate habitat for this taxon may exist in or near the Project area; no <i>Puccinellia</i> species observed.
<i>Ranunculus lobbii</i>	Ranunculaceae	Lobb's aquatic buttercup	4.2	Known habitat conditions lacking within Project area
<i>Rhynchospora alba</i>	Cyperaceae	White beaked-rush	2	Appropriate habitat for this taxon may exist in or near the Project area; no <i>Rhynchospora</i> species observed.
<i>Ribes roezlii</i> var. <i>amictum</i>	Grossulariaceae	Hoary gooseberry	4.3	Known habitat conditions likely not present within Project area; no <i>Ribes</i> species fitting this taxon observed.

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<i>Ribes victoris</i>	Grossulariaceae	Victor's gooseberry	4.3	Known habitat conditions lacking within Project area
<i>Sanguisorba officinalis</i>	Rosaceae	Great burnet	2.2	Appropriate habitat for this taxon may exist within the Project area; no <i>Sanguisorba</i> species observed.
<i>Sidalcea calycosa</i> ssp. <i>rhizomata</i>	Malvaceae	Pt. Reyes checkerbloom	1B.2	Known habitat conditions lacking within Project area
<i>Sidalcea malachroides</i>	Malvaceae	Maple-leaved checkerbloom	4.2	Appropriate habitat for this taxon may exist within the Project area; no <i>Sidalcea</i> species observed
<i>Sidalcea malviflora</i> ssp. <i>patula</i>	Malvaceae	Siskiyou checkerbloom	1B.2	Appropriate habitat for this taxon may exist within the Project area; no <i>Sidalcea</i> species observed
<i>Sidalcea malviflora</i> ssp. <i>purpurea</i>	Malvaceae	Purple-stemmed checkerbloom	1B.2	Known habitat conditions lacking within Project area
<i>Stellaria littoralis</i>	Caryophyllaceae	Beach starwort	4.2	Known habitat conditions lacking within Project area
<i>Thermopsis robusta</i>	Fabaceae	Robust false lupine	1B.2	Appropriate habitat for this taxon may exist within the Project area; no <i>Thermopsis</i> species observed
<i>Trichodon cylindricus</i>	Ditrichaceae	Cylindrical trichodon	1B.2	Known habitat conditions lacking within Project area
<i>Trifolium buckwestiorum</i>	Fabaceae	Santa Cruz clover	1B.1	Appropriate habitat for this taxon may exist within the Project area; no <i>Trifolium</i> identified fit this taxon's description.
<i>Trifolium trichocalyx</i>	Fabaceae	Monterey clover	1B.1	Appropriate habitat for this taxon may exist within the Project area; no <i>Trifolium</i> identified fit this taxon's description.
<i>Triquetrella californica</i>	Pottiaceae	Coastal triquetrella	1B.2	Appropriate habitat for this taxon may exist within the Project area; surveys in coastal scrub areas by a qualified bryologist are recommended.
<i>Veratrum californicum</i>	Melanthiaceae	Fringed false-hellebore	4.3	Appropriate habitat for this taxon present within the Project area; no <i>Veratrum</i> plants observed.

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<i>Viola palustris</i>	Violaceae	Alpine marsh violet	2.2	Appropriate habitat for this taxon may exist within the Project area; only <i>Viola sempervirens</i> and <i>V. glabella</i> observed.
Source of listing data: California Native Plant Society (CNPS). 2012. Inventory of Rare and Endangered Plants (online edition, v8-01a). California Native Plant Society. Sacramento, CA. March 2012.				