

BIORETENTION FACILITY PLANT MATRIX

DRAWN BY:	LFM	CHECKED BY:	TCW
APPROVAL DATE:	06/2018	APPROVED BY:	JBL
SCALE:	NONE	DRAWING NO.	
REVISED DATE:			SWQ-161A

Scientific Name Column1	Common Name Column2	Plant Categories Column3	Light Preference			Watering			Tolerances			High Performers Column19	CA Native Column20	Notes Column21
			Sun Column4	Part Shade Column5	Shade Column6	Width Column7	Height Column8	Zone 1 Column9	Zone 2 Column10	Wind Column11	Coast Column12			
<i>Agrostis exaristata</i>	Spike bentgrass	Grasses and Grass-like Plants	✓	✓	✓	1.5	1	✓	✓	✓	✓	✓	✓	Moist sand dunes; adapts to shady woodlands from San Diego to Sonoma County
<i>Bouteloua gracilis</i>	blue grama	Grasses and Grass-like Plants	✓	✓	✓	1.5	1	✓	✓	✓	✓	✓	✓	Tolerates no summer water; good for non-irrigated remote sites. AKAs- Mesquite Grass
<i>Bromus carinatus</i>	California brome	Grasses and Grass-like Plants	✓	✓	✓	2	1	✓	✓	✓	✓	✓	✓	Good for erosion control; not a good meadow grass
<i>Carex barbarea</i>	Santa Barbara sedge	Grasses and Grass-like Plants	✓	✓	✓	3	2	✓	✓	✓	✓	✓	✓	Slays green w/ summer H2O, mink to drought tolerant, spreading large stained sedge
<i>Carex diuila</i>	grassland sedge	Grasses and Grass-like Plants	✓	✓	✓	1	1	✓	✓	✓	✓	✓	✓	Widely sold in CA as <i>Carex tumulicola</i> (Berkeley sedge). Native to Eurasia. Full sun along coast. Tolerates drought once established. Needs regular water in sun.
<i>Carex nudata</i>	California black sedge	Grasses and Grass-like Plants	✓	✓	✓	2	2	✓	✓	✓	✓	✓	✓	Turns orange in frost, showy black flower spikes
<i>Carex obtusifolia</i>	slough sedge	Grasses and Grass-like Plants	✓	✓	✓	2	1	✓	✓	✓	✓	✓	✓	Some salt tolerance, drought tolerant once established. Thick, grassy, bright green stands in wetlands.
<i>Carex pansa</i>	dune sedge	Grasses and Grass-like Plants	✓	✓	✓	2	2	✓	✓	✓	✓	✓	✓	Native to Ashland. Plug not seed planting; now end of summer if desired.
<i>Carex proserpinacoides</i>	clustered field sedge	Grasses and Grass-like Plants	✓	✓	✓	1.5	1.5	✓	✓	✓	✓	✓	✓	Lawn alternative, tolerates some foot traffic, summer dormant in warmer areas
<i>Chorizanthe pedunculata</i>	small cape rush	Grasses and Grass-like Plants	✓	✓	✓	4	3	✓	✓	✓	✓	✓	✓	Native to S. Africa, drought tolerant
<i>Dierbachia californica</i>	California oat grass	Grasses and Grass-like Plants	✓	✓	✓	1.5	1.5	✓	✓	✓	✓	✓	✓	Bunch grass, recommended dunes not seed to start, tolerates some foot traffic
<i>Dichanthis spicata</i>	salt grass	Grasses and Grass-like Plants	✓	✓	✓	0.3	3	✓	✓	✓	✓	✓	✓	Lobes like vermouth grass, withstands foot traffic, for soils with high salt
<i>Festuca californica</i>	California fescue	Grasses and Grass-like Plants	✓	✓	✓	2	2	✓	✓	✓	✓	✓	✓	Use only in their areas of origin
<i>Festuca idahoensis</i>	Idaho fescue	Grasses and Grass-like Plants	✓	✓	✓	1	1	✓	✓	✓	✓	✓	✓	Can mow. Needs light summer water at hot sites
<i>Festuca rubra</i>	red fescue	Grasses and Grass-like Plants	✓	✓	✓	1	1.5	✓	✓	✓	✓	✓	✓	Can mow. Lawn alternative
<i>Festuca rubra 'molle'</i>	molle fescue	Grasses and Grass-like Plants	✓	✓	✓	1	1.5	✓	✓	✓	✓	✓	✓	Can mow. Lawn alternative
<i>Juncus effusus</i>	common rush	Grasses and Grass-like Plants	✓	✓	✓	2.5	2.5	✓	✓	✓	✓	✓	✓	Forms dense clumps
<i>Juncus pallidus</i>	giant rush	Grasses and Grass-like Plants	✓	✓	✓	4	2	✓	✓	✓	✓	✓	✓	Evergreen, heat and drought tolerant.
<i>Juncus roemerianus</i>	blue rush	Grasses and Grass-like Plants	✓	✓	✓	2	1	✓	✓	✓	✓	✓	✓	Plant from plugs; irrigate occasionally summer
<i>Leymus trichoides</i>	creeping wildrye	Grasses and Grass-like Plants	✓	✓	✓	3	1	✓	✓	✓	✓	✓	✓	Can mow 4 x yr. Sub-surface H2O best. Can be aggressive in moist areas.
<i>Muhlenbergia sparsa</i>	seagrass	Grasses and Grass-like Plants	✓	✓	✓	3	3	✓	✓	✓	✓	✓	✓	Evergreen, forms mounds
<i>Sisyrinchium bellum</i>	blue eyed grass	Grasses and Grass-like Plants	✓	✓	✓	1	1	✓	✓	✓	✓	✓	✓	Needs occasional summer water, tolerates some foot traffic
<i>Aschillea millefolium</i>	common yarrow	Herbaceous Perennials and Groundcovers	✓	✓	✓	1.5	1	✓	✓	✓	✓	✓	✓	Good for hot sites. Tolerates mowing, and can be used in a lawn replacement mix.
<i>Arenaria douglasiana</i>	rugwort	Herbaceous Perennials and Groundcovers	✓	✓	✓	3	3	✓	✓	✓	✓	✓	✓	Rhizomatous
<i>Arenaria subvaccina</i>	white saxifrage	Herbaceous Perennials and Groundcovers	✓	✓	✓	1.5	2	✓	✓	✓	✓	✓	✓	Aromatic. Tolerates foot traffic and wide range of conditions
<i>Asclepias fascicularis</i>	narrowleaf milkweed	Herbaceous Perennials and Groundcovers	✓	✓	✓	3	2	✓	✓	✓	✓	✓	✓	Monarch butterfly host plant, deciduous
<i>Demaria peltata</i>	Indian rubbercup	Herbaceous Perennials and Groundcovers	✓	✓	✓	3	5	✓	✓	✓	✓	✓	✓	Prefers cool summers. Native to N. CA. OR; found on stream banks and in woodlands.
<i>Eriogonum canum</i>	California fuchsia	Herbaceous Perennials and Groundcovers	✓	✓	✓	1	4	✓	✓	✓	✓	✓	✓	dominant in winter, best with winter mowing
<i>Eriogonum giganteum</i>	stream orchid	Herbaceous Perennials and Groundcovers	✓	✓	✓	3	1.5	✓	✓	✓	✓	✓	✓	Goes dormant with drought, salt tolerant
<i>Fragaria chionosepala</i>	beach strawberry	Herbaceous Perennials and Groundcovers	✓	✓	✓	0.3	2	✓	✓	✓	✓	✓	✓	Evergreen groundcover, performs well as filler at the upper edges of facility.
<i>Heuchera micrantha</i>	alum root	Herbaceous Perennials and Groundcovers	✓	✓	✓	2	1.5	✓	✓	✓	✓	✓	✓	Dainty white flowers
<i>Heuchera plicatifolia</i>	'hairy' alum root	Herbaceous Perennials and Groundcovers	✓	✓	✓	1.5	1.5	✓	✓	✓	✓	✓	✓	Tolerates sand, best at basin edges
<i>Iris douglasiana</i>	Douglas iris	Herbaceous Perennials and Groundcovers	✓	✓	✓	1.5	2	✓	✓	✓	✓	✓	✓	Also, iris hybrids
<i>Lilium pardalium</i>	leopard lily	Herbaceous Perennials and Groundcovers	✓	✓	✓	6	4	✓	✓	✓	✓	✓	✓	Native to dry summer areas, deciduous
<i>Loelia californica</i>	carline lily	Herbaceous Perennials and Groundcovers	✓	✓	✓	2	2	✓	✓	✓	✓	✓	✓	Not drought tolerant; requires regular water
<i>Luzula scoparium</i>	dewweed	Herbaceous Perennials and Groundcovers	✓	✓	✓	4	3	✓	✓	✓	✓	✓	✓	Short-lived, nitrogen fixer
<i>Mimulus aurantiacus</i>	common monkeyflower	Herbaceous Perennials and Groundcovers	✓	✓	✓	3	3	✓	✓	✓	✓	✓	✓	Drought tolerant, stress deciduous
<i>Mimulus cardinalis</i>	scarlet monkeyflower	Herbaceous Perennials and Groundcovers	✓	✓	✓	3	3	✓	✓	✓	✓	✓	✓	Aggressive seeder, needs summer water
<i>Mimulus guttatus</i>	steep monkeyflower	Herbaceous Perennials and Groundcovers	✓	✓	✓	3	3	✓	✓	✓	✓	✓	✓	Attracts bees, stress deciduous, needs summer water
<i>Mirabilis multiflora</i>	Giant four o'clock	Herbaceous Perennials and Groundcovers	✓	✓	✓	2	4	✓	✓	✓	✓	✓	✓	Best for hot sites, native to Southern California
<i>Oenothera biocolor</i>	Hooker's evening primrose	Herbaceous Perennials and Groundcovers	✓	✓	✓	3	2	✓	✓	✓	✓	✓	✓	Easy to establish biennial, self seeds
<i>Polypodium californicum</i>	California Polypody fern	Herbaceous Perennials and Groundcovers	✓	✓	✓	2	2	✓	✓	✓	✓	✓	✓	Summer dormant except at coast, spreads slowly by rhizomes, frost tender
<i>Prunella vulgaris</i>	self heal	Herbaceous Perennials and Groundcovers	✓	✓	✓	0.5	2	✓	✓	✓	✓	✓	✓	Somewhat drought tolerant, long flowering
<i>Rudbeckia californica</i>	California coneflower	Herbaceous Perennials and Groundcovers	✓	✓	✓	3	2	✓	✓	✓	✓	✓	✓	Native to dry summer areas, deciduous
<i>Saxifraga 'micha' cluster'</i>	fan flower	Herbaceous Perennials and Groundcovers	✓	✓	✓	1	4	✓	✓	✓	✓	✓	✓	Native to Australia, sensitive to frost
<i>Scutellaria austriaca</i>	skullcap	Herbaceous Perennials and Groundcovers	✓	✓	✓	1	2	✓	✓	✓	✓	✓	✓	Dies back in drought
<i>Seymouria californicum</i>	yellow eyed grass	Herbaceous Perennials and Groundcovers	✓	✓	✓	1	1	✓	✓	✓	✓	✓	✓	Can be drought tolerant
<i>Veronica ilicina</i>	Western vervain	Herbaceous Perennials and Groundcovers	✓	✓	✓	2	2	✓	✓	✓	✓	✓	✓	Attracts butterflies, can be weedy pioneer species
<i>Veronica filiformis</i>	Cedros Island veronica	Herbaceous Perennials and Groundcovers	✓	✓	✓	2	4	✓	✓	✓	✓	✓	✓	Drought tolerant, best with minimal irrigation, native to Baja CA
<i>Allyogyne huegelii</i>	blue hibiscus	Shrubs	✓	✓	✓	8	7	✓	✓	✓	✓	✓	✓	Very low water after second year, Sunest zones 15-17 & 20-24, prune to encourage flowering
<i>Baccharis pilularis</i>	bush baccharis	Shrubs	✓	✓	✓	6	6	✓	✓	✓	✓	✓	✓	Fast-growing, somewhat short-lived, deer proof
<i>Conocarpus occidentalis</i>	western spurge	Shrubs	✓	✓	✓	8	8	✓	✓	✓	✓	✓	✓	Deer resistant, deciduous. Bright green leaves, good for hedgerows/crowns. Riparian areas.
<i>Carpenteria californica</i>	bush anemone	Shrubs	✓	✓	✓	6	4	✓	✓	✓	✓	✓	✓	Interior climate with occasional water otherwise low water needs
<i>Comus sericea</i>	robwing dogwood	Shrubs	✓	✓	✓	5	4	✓	✓	✓	✓	✓	✓	Deciduous, red stems for winter color, best with afternoon shade. Can cut to ground to maintain small size and red stems.
<i>Eriogonum glaucum</i>	seaside daisy	Shrubs	✓	✓	✓	1	1.5	✓	✓	✓	✓	✓	✓	Not good for dusty sites
<i>Lonchocarpus hispidula</i>	California honeysuckle	Shrubs	✓	✓	✓	4	2	✓	✓	✓	✓	✓	✓	Climbing vine-like. Best in part shade. Attracts birds
<i>Lyonsaea inouzeana</i>	hairy-lyonsaea	Shrubs	✓	✓	✓	6	3	✓	✓	✓	✓	✓	✓	Nice good drainage. Best in part shade. Attracts birds
<i>Melaleuca ptilinifera</i>	California honey myrtle	Shrubs	✓	✓	✓	4	4	✓	✓	✓	✓	✓	✓	Slow but easy to grow