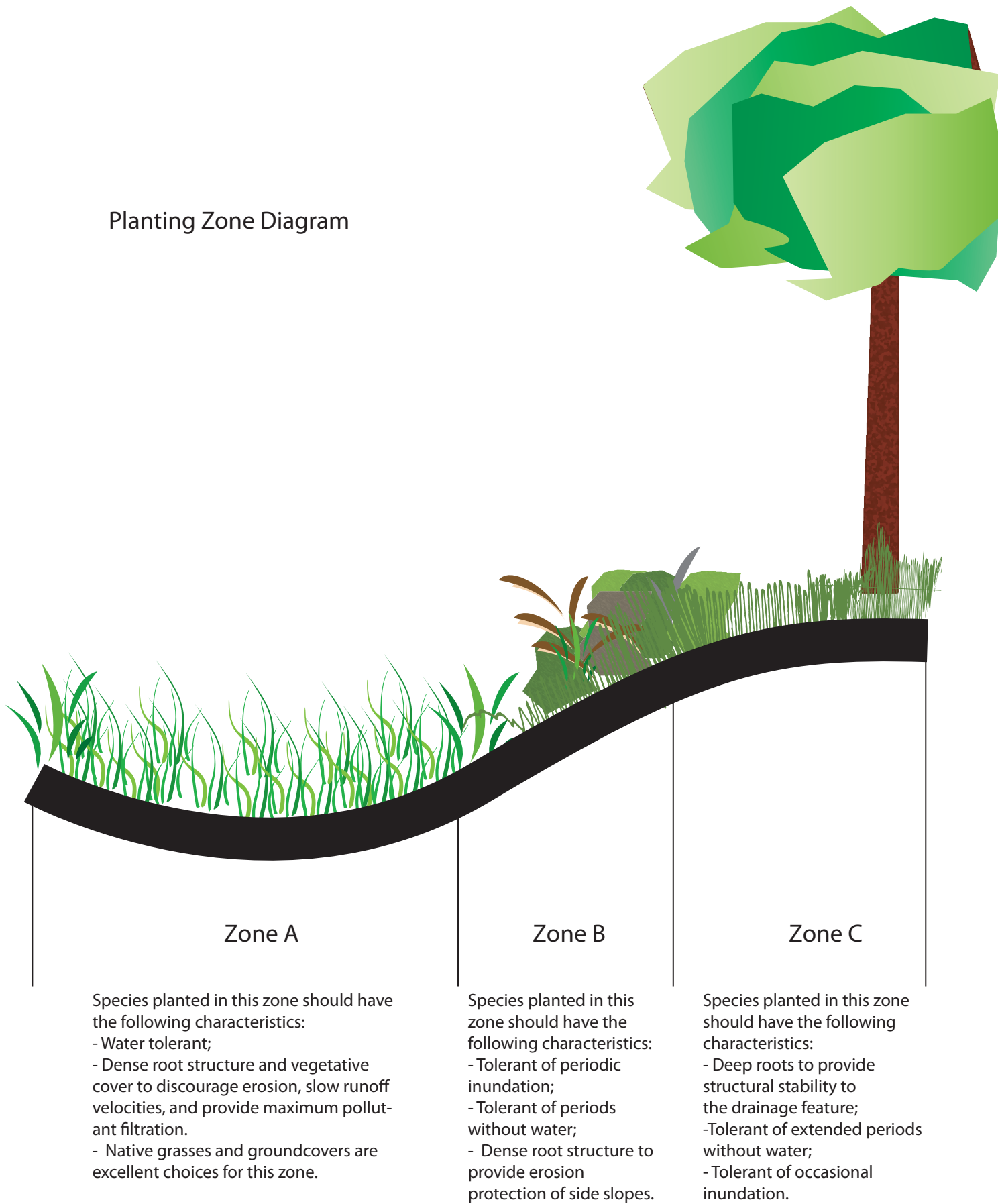


APPENDIX 5

North Coast Stormwater Coalition LID Recommended Plant List





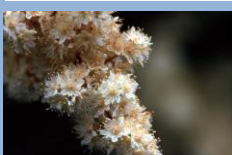

Planting Zone Diagram



North Coast Stormwater Coalition Low Impact Development Recommended Plant List

Zone A: Area of the LID facility defined as the bottom to the designed high water mark. This area has moist to wet soils and plants located here shall be tolerant of inundation.








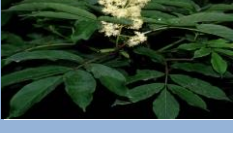
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	Name		Planting Zone		Facility Type			Characteristics					Additional Infomation
	Common Name	Scientific Name	Zone	Moisture Zone	Swale	Planter	Basin	NW Native	Evergreen	Height	Width	Sun Requiremen	
Shrubs													
	Vine Maple	Acer circinatum	A/B	wet, moderate	X	X	X	Y	N	15'	10'	shade to partial sun	small multi-stemmed tree, red-orange fall color, excellent soil binder
	American Dogwood	Cornus sericea	A/B	wet, moderate	X	X	X	Y	N	6'	4'	shade to full sun	red twigs provide winter interest, white flowers in summer
	California Hazelnut	Corylus cornuta	A/B	wet, moderate	X		X	Y	N	13'		shade to full sun	nuts attract wildlife
	Sala	Gaultheria shallon	B	dry to moist	X		X	Y	Y	24'	24'	shade to sun	evergreen, produces edible blue berries
	Ocean Spray	Holodiscus discolor	B	moderate, dry	X		X	Y	N	6'	4'	full to partial sun	flowers in summer, attractive to wildlife, good soil binder
	Twinberry	Lonicera involucrata	B	dry	X		X	Y	N	5'	4'	preffers shade, sun tolerant	flowers attract humming birds and butterflies

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	Name	Planting Zone		Facility Type			Characteristics					Additional Information
	Common Name Scientific Name	Zone	Moisture Zone	Swale	Planter	Basin	NW Native	Evergreen	Height	Width	Sun Requirements	
	Osoberry <i>Oemleria cerasiformis</i>	B	moderate	X		X	Y	N	6'	4'	prefers full to partial shade, sun tolerant	produces greenish white flowers, berries attract birds
	Wild Mock-orange <i>Oemleria cerasiformis</i>	B	dry	X		X	Y	N	6'	4'	partial sun	fragrant flowers attract birds, bees, and butterflies, prune to shape
	Pacific Ninebark <i>Physocarpus capitatus</i>	A/B	wet, moderate	X	X	X	Y	N	10'	3'	full to partial sun	unique shredding bark, drought tolerant
	Western Azalea <i>Rhododendron occidentale</i>	A/B	wet, moderate	X	X	X	Y	N	15'	12'	full sun to shade	showy flower clusters attract wildlife
	Red-flowering Currant <i>Ribes sanguineum</i>	B	wet, moderate, dry	X		X	Y	N	8'	4'	full to partial sun	showy pink flower clusters in spring, attractive to birds
	Wood Rose <i>Rosa gymnocarpa</i>	B	wet, moderate	X		X	Y	N	3'	3'	full to partial sun	flowers in summer
	Willow species <i>Salix spp.</i>	A/B	wet, moderate	X		X	Y	N	13'+	6'	partial shade to sun	male and female catkins born on separate plants
	Red Elderberry <i>Sambucus racemosa</i>	B	moderate	X		X	Y	N	10'	10'	prefers full sun, partial shade	flowers attract pollinators

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	Name Common Name <i>Scientific Name</i>	Planting Zone		Facility Type			Characteristics					Additional Information
		Zone	Moisture Zone	Swale	Planter	Basin	NW Native	Evergreen	Height	Width	Sun Requirements	
	Douglas' Spiraea <i>Spiraea douglasii</i>	A/B	moderate	X	X	X	Y	N	7'	4'	full to partial sun	pinkish flower clusters in summer ; spreads rapidly ; drought tolerant once established
	Common Snowberry <i>Symphoricarpos albus</i>	B	moderate	X		X	Y	N	6'	3'	shade to full sun	flowers in spring, white berries in winter, excellent soil binder
	Evergreen Huckleberry <i>Vaccinium ovatum</i>	B/C	moderate, dry	X	X		Y	Y	9'	8'	partial sun	edible berries in late summer, new growth emerges bronze in color, requires acidic soil, prune to shape
	Red Huckleberry <i>Vaccinium parvifolium</i>	B	moist, dry	X	X		Y	N	13'	4'	full sun to partial shade	bell-shaped flowers, edible berry attracts wildlife
	<p style="text-align: center;">Acknowledgements:</p> <p>This guide was put together by Julie Neander and Camden Bruner of the City of Arcata Environmental Services Department and by Jen Kalt of Humboldt Bay Keeper. The information presented here is from the <i>Portland Stormwater Management Manual; Planting Templates and Lists</i> , by the City of Portland and <i>The Oregon Rain Garden Guide</i> , by Oregon Sea Grant. Used by permission. Photographs are from <i>A Photographic Guide to the Plants of Humboldt Bay Dunes and Wetlands</i> , compiled by Gordon Leppig and Ardrea J. Pickart and from <i>Calphotos</i> , by the University of California, Berkely. Used by permission.</p>											

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	Common Name <i>Scientific Name</i>	Zone	Moisture Zone	Swale	Planter	Basin	NW Native	Evergreen	Height	Width	Sun Requiremen		
Herbs													
	Common Yarrow <i>Achillea millefolium</i>	C	moderate, dry				N	N	36"	24'	full to partial sun	summer flowers, tolerates regular to no watering	
	Pearly Everlasting <i>Anaphalis margaritacea</i>	C	dry				Y	N	48"	12"	full sun	popular dried flower	
	Crimson Columbine <i>Aquilegia formosa</i>	B	wet				Y	N	30"	12"	full to partial sun	red and yellow flowers attract hummingbirds, heavy bloomer	
	Wild Ginger <i>Asarum caudatum</i>	B	moist				Y	Y	10"	20"	shade/ part	bold heart shaped leaves, pleasant fragrance, ornate fowers, evergreen perennial	
	Common California Aster <i>Symphyotrichum chilense</i>	B	dry to moist				Y	N	40"		full sun to partial shade	attracts native pollinatros including bees, moths and butterflys	
	Lady Fern <i>Athyrium filix-femina</i>	B	moist	X		X	Y	N	36"	24"	sade	deciduouss, low maintenance	






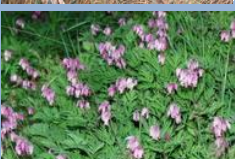

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	Name		Planting Zone		Facility Type			Characteristics					Additional Information
	Common Name	Scientific Name	Zone	Moisture Zone	Swale	Planter	Basin	NW Native	Evergreen	Height	Width	Sun Requirements	
	Deer Fern	<i>Blechnum spicant</i>	B	wet, moderate	X		X	Y	N	24"	24"	shade to partial sun	attracts deer
	California Brome	<i>Bromus carinatus</i>	A	moderate, dry			X	Y	Y	18"	12"	full to partial sun	native competitor to exotic weeds
	Dense Sedge	<i>Carex densa</i>	A	wet, moderate, dry	X			Y	Y	24"	12"	full sun to shade	good erosion control, trapping sediment and slowing the flow of water
	Short-scaled Sedge	<i>Carex leptopoda</i>	A	wet	X			Y	Y	30"		full	perennial herb
	Tufted Hairgrass	<i>Deschampsia caespitosa</i>	A/B	moderate	X			Y	N	36"	12"	full/part	attractive throughout winter
	Pacific Bleeding Heart	<i>Dicentra formosa</i>	B	moderate, dry				Y	N	2'	2'	shade/part	delicate foliage with attractive spring flowers
	Blue Wildrye	<i>Elymus glaucus</i>	B	moderate	X		X	Y	Y	24"	12"	full sun to light shade	perennial, distinct blue to blue-green colored leaves

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	Name		Planting Zone		Facility Type			Characteristics					Additional Information
	Common Name	Scientific Name	Zone	Moisture Zone	Swale	Planter	Basin	NW Native	Evergreen	Height	Width	Sun Requirements	
	Seaside Daisy	<i>Erigeron glaucus</i>	B	moderate				Y	N	12"		full to partial sun	lavendar colored flowers that attract pollinators
	California Fescue	<i>Festuca californica</i>	B/C	moderate				Y	N	4.5'	3.5'	shade to partial sun	drought tollerant, stabilizes soils & prevents erosion,
	Idaho Fescue	<i>Festuca idahoensis</i>	B/C	moderate				Y	N	30"	24"	shade to full sun	grows in bunches
	Red Fescue	<i>Festuca rubra</i>	B	moderate	X		X	Y	Y	24"	12"	shade to partial sun	no-mow ground cover
	Beach Strawberry	<i>Fragaria chiloensis</i>	B	moderate, dry	X		X	Y	Y	6"	12"	full to partial sun	edible red berries, grows well in sandy soils
	Wood Strawberry	<i>Fragaria vesca</i>	B	moderate, dry	X		X	N	Y	10"	12"	shade/part	edible red berries
	Western Mannagrass	<i>Glyceria occidentalis</i>	A	wet, moderate			X	Y	Y	18"	12"	full sun to partial shade	does well in detention ponds and swales
	Small-flowered Alumroot	<i>Heuchera micrantha</i>	B	wet, moderate				Y	N	3.5'		full sun to part shade	distinct green to dark purple colored leaves; can grow on steep slopes

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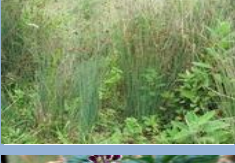


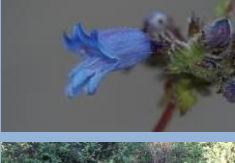
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	Common Name Scientific Name	Zone	Moisture Zone	Swale	Planter	Basin	NW Native	Evergreen	Height	Width	Sun Requirements	
	Douglas Iris <i>Iris douglasiana</i>	B	moist to dry	X		X	Y	N	18"	12"	full to partial sun	cream-purple flowers arise on a 1-2 foot high stem; grows well in run-off ditches
	Common Rush <i>Juncus effusus</i> var. <i>pacificus</i>	A	wet, moderate	X	X	X	Y	Y	36"	12"	full sun to part shade	tolerant of polluted conditions, Note that <i>J. effusus</i> var. <i>effusus</i> can be invasive, use native Pacific variety
	Dagger-leaf Rush <i>Juncus ensifolius</i>	A	wet, moderate	X	X	X	N	N	10"	12"	full/part	flattened stems much like an iris ; spreads vigorously
	Spreading Rush <i>Juncus patens</i>	A	wet, moderate	X	X	X	N	Y	36"	12"	full/part	bluish-green foliage ; very little maintenance
	Large-leaved Lupine <i>Lupinus polyphyllus</i>	A/B	moderate	X		X	Y	N	36"	12"	full/part	showy spring flowers, fixes nitrogen
	False Lily-of-the-valley <i>Maianthemum dilatatum</i>		wet, moderate				Y		16"		shade	ground cover; can form broad mats
	Gray Bear Tongue <i>Penstemon rattanii</i> var. <i>rattanii</i>	B	moderate				Y	N	48"		full sun to part shade	attracts native pollinators including bumble bees
	Sword Fern <i>Polystichum munitum</i>	A/B	wet, moderate	X		X	Y	Y	24"	24"	full/part	shiny, leathery leaves









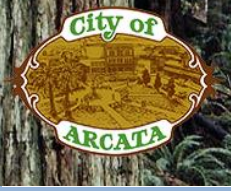
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	Common Name	Scientific Name	Zone	Moisture Zone	Swale	Planter	Basin	NW Native	Evergreen	Height	Width	Sun Requirements	
													
	Cinquefoil	<i>Potentilla gracilis</i>	B/C	moderate, dry				Y	N	40"		full/part	flowers attract native bees
	Three-squared Bulrush	<i>Schoenoplectus americanus</i>	A	wet				Y	N	7"		full/part	native perennial
	Small-flowering Bulrush	<i>Scirpus microcarpus</i>	A	moderate			X	Y	Y	24"	24"	full/part	good soil binder
	Golden-eyed-grass	<i>Sisyrinchium californicum</i>	A/B	moist	X	X	X	N	Y	6"	12"	full to partial sun	produces bright yellow flowers that attract many beneficial insects
	Coast Goldenrod	<i>Solidago spathulata</i>	B	moderate				Y	N	20"		full to partial sun	bright yellow flowers attract butterflies and other insects
	Fringe Cups	<i>Tellima grandiflora</i>	B	moderate				Y	N	12"		shade	flowers age changing from green to pink
	Youth-on-age	<i>Tolmiea diplomenziesii</i>	B	wet, moderate				Y	N	15"		shade	perennial herb
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