



# Arizona Department of Water Resources

## Douglas Active Management Area

### Low-Water-Use/ Drought-Tolerant Plant List

Official Regulatory List  
for the  
Douglas Active Management Area  
First Management Plan

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# Douglas AMA 1<sup>st</sup> Management Plan Low Water Use and Drought Tolerant Plant List

## Acknowledgements

The list of plants in this document was created in 2024 by the Arizona Department of Water Resources (ADWR) in cooperation with plant and landscape plant specialists from the Arizona Nursery Association. ADWR extends its gratitude to the following members of the Arizona Nursery Association for their generous contribution of time and expertise:

Cheryl Goar Koury, Arizona Nursery Assn.

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## Introduction

The Low Water Use and Drought Tolerant Plant Lists (LWUPLs) are developed in collaboration with plant experts and used by the Arizona Department of Water Resources to **regulate landscaping in medians and public rights-of-way irrigated with any amount of groundwater and in other instances as described in the Management Plans** for each of the state's six Active Management Areas (AMAs).

The lists enable the regulated community to identify which plants are permitted in these specific landscapes and enable ADWR to ensure only low water use plant materials are used. The lists are specific to each AMA, as these differ in elevation, temperatures, and precipitation.

This is not a comprehensive list of all the plants that could be appropriate for other applications in the AMAs.

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## **AMA Management Plans**

The restrictions on the plant material allowed in medians and public rights-of-way, and in other instances, are described in the Douglas AMA First Management Plan<sup>1</sup> (1MP). In the following sections in the Douglas AMA 1MP the LWUPL is referenced:

- Section 5-501(23) and (39) Definitions, Low Water Use/Drought Tolerant Plant List for the Douglas AMA and Water-intensive landscaped area
- Section 5-507 Subsection (B)(3), Individual User Requirements for Municipal Providers and Individual Users, requirements for public rights-of way
- Section 6.2, Industrial Conservation Programs Description
- Section 6.2.1.2, Additional Conservation Requirements
- Section 6-401(5), Definitions, Low Water Use/Drought Tolerant Plant List
- Section 6-402(4) and (5), Conservation Requirements
- Section 6-403, Subsection A (6), Monitoring and Reporting Requirements
- Section 6-501 (9) and (18), Definitions: Landscape Watering, Low Water Use Landscaped Area, Non-ornamental Turf Acres and Turf Acres
- Section 6-1201(5.1), Definitions: Water-intensive Landscaped Areas
- Section 6-1203(3), Monitoring and Reporting Requirements: Annual Report Information

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<sup>1</sup> The First Management Plan for the Douglas Active Management Area was issued on 11/27/2024. All requirements in the 1MP become effective on January 1, 2027, and will remain in effect until the requirements in the 2MP take their place.

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## How to Use the List

Not every plant listed is suitable to every median, public right-of-way, or low water use landscape situation. It is the responsibility of the regulated stakeholder, landscape designer, landscape architect, or contractor to research plant characteristics and commercial availability, and determine which plants are suitable for a specific location and situation.

The Douglas AMA 1MP LWUPL is organized in tables according to plant type (growth form). Plants are placed in the plant type categories where they are most often used. This does not preclude classifying plants in one or more different plant types.

The plant types used in the **Douglas** AMA 1MP LWUPL are the following:

- Annual
- Cactus/Succulent/Accent
- Grass
- Groundcover
- Perennial
- Shrub
- Tree
- Vine

Each table lists the botanical names of the plants in alphabetical order, in addition to their respective common names. Some species include a synonym, or past botanical name, in parenthesis. See *Example 1* below for formatting.

Annual	
Botanical Name (Synonym)	Common Names
<i>Abronia villosa</i>	Desert Sand Verbena
<i>Amsinckia intermedia</i>	Common Fiddleneck
<i>Argemone pleiacantha</i>	Southwestern Pricklypoppy
<i>Castilleja exserta</i>	Exserted Indian Paintbrush
<i>Chylismia brevipes</i>	Yellow Cups
<i>Chylismia cardiophylla</i>	Heartleaf Suncup

*Example 1*

### **Steps to Locate Plants in the LWUPL:**

1. Identify Plant Type (e.g. Annual)
2. Locate Plant Genus (e.g. *Chlyismia*)
3. Locate Plant Species (e.g. *Chlyismia brevipes*)

Alternatively, search for species with **Ctrl + F** on keyboard or similar digital document search method.

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### Notes:

- Genus: If the genus has “spp.” next to the name (e.g.: *Cosmos* spp.), this means that **any** plant species, hybrid, and/or cultivar under the genus is eligible to be used in a median or right of way irrigated by groundwater in the Douglas AMA.
- Species: Some plant species can be found under different plant types.
- See *Appendix A* for Relevant Definitions for the Low Water Use Plant List (p. 21).
- See *Appendix B* for Additional Resources. (p. 22).
- See *Appendix C* for Request to Modify or Waive the Requirement (p. 23).

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Annual	
Botanical Name (Synonym)	Common Names
<i>Erigeron divergens</i>	Spreading Fleabane, Native Fleabane
<i>Eschscholzia californica</i>	California Poppy
<i>Eschscholzia californica subsp. mexicana</i>	Mexican Gold Poppy
<i>Gaillardia pulchella</i>	Indian Blanket, Fire Wheel, Blanketflower
<i>Glandularia gooddingii</i>	Southwestern Mock Vervain, Goodding Verbena
<i>Linum grandiflorum</i> 'Rubrum'	Scarlet Flax, Red Flax
<i>Linum lewisii</i>	Lewis Flax, Blue Flax, Prairie Flax
<i>Lupinus arizonicus</i>	Arizona Lupine, Lupine
<i>Lupinus sparsiflorus</i>	Coulter's Lupine, Desert Lupine
<i>Lupinus succulentus</i>	Hollowleaf Annual Lupine, Arroyo Lupine
<i>Machaeranthera tanacetifolia</i>	Tanseyleaf Tansyaster, Purple Aster
<i>Phacelia campanularia</i>	Desertbells, Desert Bluebells, Desert Canterbury Bells
<i>Plantago</i> spp.	Indianwheat

Cactus/Succulent/Accent	
Botanical Name (Synonym)	Common Names
<i>Agave americana</i>	American Century Plant, Century Plant
<i>Agave asperrima</i>	Rough Century Plant, Rough-Leaved Agave, Rough Agave
<i>Agave bracteosa</i>	Spider Agave, Squid Agave
<i>Agave chrysantha</i>	Goldenflower Century Plant, Golden Flower Agave
<i>Agave colorata</i>	Mescal Ceniza, Blue Century Plant
<i>Agave filifera</i>	Thread-Leaf Agave, Century Plant, Agave
<i>Agave geminiflora</i>	Twin-Flowered Agave
<i>Agave havardiana</i>	Havard's Century Plant, Havard Agave,
<i>Agave montana</i>	Mountain Agave
<i>Agave murpheyi</i>	Murphey's Century Plant, Murphey's Agave, Hohokam Agave
<i>Agave ocahui</i>	Ocahui Agave
<i>Agave ovatifolia</i>	Whale's Tongue Agave
<i>Agave palmeri</i>	Palmer's Agave
<i>Agave parrasana</i>	Parras Agave
<i>Agave parryi</i>	Parry's Agave, Century Plant, Agave
<i>Agave parryi var. couseii</i>	Coues Agave
<i>Agave parryi var. huachuensis</i>	Huachuca Agave
<i>Agave parryi var. truncata</i>	Artichoke Agave

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<i>Agave parviflora</i>	Smallflower Century Plant, Small Flowered Agave,
<i>Agave salmiana var. ferox</i>	Pulque Agave, Salm's Agave,
<i>Agave striata</i>	Needle-Leaf Agave, Espadín,
<i>Agave univittata</i>	Mckelvey's Century Plant, Center Stripe Agave, Holly Agave
<i>Agave utahensis</i>	Utah Agave
<i>Agave victoriae-reginae</i>	Queen Victoria Agave, Royal Agave,
<i>Agave weberi</i>	Weber's Agave
<i>Bulbine frutescens</i>	Bulbine, Yellow Bulbine, Shrubby Bulbine
<i>Cylindropuntia bigelovii</i>	Teddybear Cholla
<i>Cylindropuntia versicolor</i>	Staghorn Cholla
<i>Dasyilirion acrotriche</i>	Green Desert Spoon
<i>Dasyilirion leiophyllum</i>	Green Sotol, Green Desert Spoon,
<i>Dasyilirion texanum</i>	Texas Sotol, Green Desert Spoon,
<i>Dasyilirion wheeleri</i>	Common Sotol, Sotol, Desert Spoon
<i>Echinocereus</i> spp.	Hedgehog, Rainbow Cactus
<i>Echinopsis</i> spp.	Easter Lily, Sea Urchin Cactus, Trichocereus Cactus
<i>Euphorbia antisyphilitica</i>	Candelilla, Wax Plant
<i>Euphorbia lomelii</i>	Slipper Flower, Lady's Slipper
<i>Euphorbia rigida</i>	Blue Euphorbia, Gopher Plant
<i>Ferocactus</i> spp.	Barrel Cactus
<i>Fouquieria splendens</i>	Ocotillo
<i>Hesperaloe campanulata</i>	Bell Flowering Hesperaloe, Bell Flower
<i>Hesperaloe funifera</i>	New Mexico False Yucca, Giant Hesperaloe, Coahuilan Hesperaloe
<i>Hesperaloe nocturna</i>	Night Flowering Hesperaloe, Night Blooming Hesperaloe,
<i>Hesperaloe parviflora</i>	Redflower False Yucca, Red Yucca, Red Hesperaloe
<i>Hesperoyucca whipplei</i>	Chaparral Yucca, Our Lord's Candle
<i>Mamillaria</i> spp.	Pincushion Cactus, Fishhook Cactus
<i>Nolina bigelovii</i>	Bigelow's Nolina, Beargrass
<i>Nolina lindheimeriana</i>	Devil's Shoestring, Lindheimer's Nolina
<i>Nolina matapensis</i>	Tree Beargrass, Sonoran Beargrass
<i>Nolina microcarpa</i>	Sacahuista, Beargrass
<i>Nolina nelsonii</i>	Blue Nolina, Nelson's Beargrass
<i>Nolina parryi</i>	Parry's Beargrass
<i>Nolina texana</i>	Texas Sacahuista, Beargrass, Basket Grass
<i>Opuntia basilaris</i>	Beavertail Pricklypear, Beavertail Cactus
<i>Opuntia cacanapa 'Ellisiana'</i>	Spineless Prickly Pear
<i>Opuntia engelmannii</i>	Cactus Apple, Engelmann's Pricklypear,

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	Desert Pricklypear
<i>Opuntia macrocentra</i>	Purple Pricklypear, Long Spine Pricklypear
<i>Opuntia santa-rita</i> 'Tubac'	Santa Rita Pricklypear 'Tubac', Purple Pancake, Purple Pricklypear
<i>Ruschia uncinata</i>	Ruschia
<i>Tephrocactus articulatus</i>	Pinecone Pricklypear, Spruce Cones
<i>Yucca aloifolia</i>	Aloe Yucca, Spanish Bayonet, Dagger Plant
<i>Yucca baccata</i>	Banana Yucca, Blue Yucca, Fleshy-Fruited Yucca
<i>Yucca baileyi</i>	Navajo Yucca, Yucca, Standley Yucca
<i>Yucca brevifolia</i>	Joshua Tree
<i>Yucca constricta</i>	Buckley's Yucca, Buckley Yucca,
<i>Yucca elata</i>	Soaptree Yucca, Soapweed Yucca, Palmilla
<i>Yucca faxoniana</i>	Eve's Needle, Giant Dagger Yucca, Faxon Yucca
<i>Yucca filifera</i>	St. Peter's Palm, Mexican Tree Yucca, Tree Yucca
<i>Yucca glauca</i>	Soapweed Yucca, Narrow Leaf Yucca, Plains Yucca
<i>Yucca harrimaniae</i>	Spanish Bayonet, Harriman's Yucca,
<i>Yucca pallida</i>	Twistleaf Yucca, Pale Leaf Yucca, Pale Yucca
<i>Yucca rigida</i>	Blue Yucca, Mexican Blue Dagger Yucca,
<i>Yucca rostrata</i>	Beaked Yucca, Big Bend Yucca,
<i>Yucca schidigera</i>	Mojave Yucca, Spanish Dagger, Mohave Yucca
<i>Yucca schottii</i>	Schott's Yucca, Mountain Yucca, Hoary Yucca
<i>Yucca thompsoniana</i>	Thompson's Yucca, Beaked Yucca, Thompson Yucca
<i>Yucca torreyi</i>	Torrey's Yucca
<i>Yucca treculeana</i>	Don Quixote's Lace, Spanish Dagger, Palma Pita

Grass	
Botanical Name (Synonym)	Common Names
<i>Aristida purpurea</i>	Purple Three-Awn
<i>Bothriochloa barbinodis</i>	Cane Bluestem, Cane Beardgrass, Pitted Beardgrass
<i>Bouteloua</i> spp.	Grama Grass
<i>Dasyochloa pulchella</i>	Low Woollygrass, Fluffgrass
<i>Eragrostis intermedia</i>	Plains Lovegrass
<i>Hilaria belangeri</i>	Curly-Mesquite, Curly Mesquite Grass
<i>Hilaria mutica</i>	Tobosagrass

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<i>Hilaria rigida</i>	Big Galleta, Big Galleta Grass
<i>Leptochloa dubia</i>	Green Sprangletop
<i>Muhlenbergia capillaris</i> 'Regal Mist'	Regal Mist, Regal Mist Deergrass, Gulf Muhly
<i>Muhlenbergia dubia</i>	Pine Muhly
<i>Muhlenbergia emersleyi</i>	Bullgrass, Bull Muhly
<i>Muhlenbergia lindheimeri</i> 'Autumn Glow'	Big Muhly, Autumn Glow Muhly
<i>Muhlenbergia porteri</i>	Bush Muhly, Porter's Muhly
<i>Muhlenbergia rigens</i>	Deergrass, Deer Muhly
<i>Muhlenbergia rigida</i>	Purple Muhly, Purple Muhlenbergia,
<i>Nassella tenuissima</i>	Finestem Needlegrass, Mexican Feather Grass, Mexican Thread Grass
<i>Pappophorum mucronulatum</i>	Whiplash Pappusgrass, Pappusgrass
<i>Sporobolus airoides</i>	Alkali Sacaton, Alkali Dropseed
<i>Sporobolus contractus</i>	Spike Dropseed
<i>Sporobolus cryptandrus</i>	Sand Dropseed
<i>Sporobolus flexuosus</i>	Mesa Dropseed
<i>Sporobolus wrightii</i>	Big Sacaton, Big Alkali Sacaton, Giant Sacaton
<i>Trichloris crinita</i>	False Rhodes Grass, Two-Feather Trichloris
<i>Tridens muticus</i>	Slim Tridens

Groundcover	
Botanical Name (Synonym)	Common Names
<i>Achnatherum hymenoides</i>	Indian Ricegrass
<i>Baccharis hybrid</i> 'Starn'	Thompson Broom
<i>Calylophus hartwegii</i>	Hartweg's Sundrops, Calylophus, Yellow Evening Primrose
<i>Cathestecum erectum</i>	False Grama
<i>Cephalophyllum alstonii</i> 'Red Spike'	Red Spike Ice Plant
<i>Dalea capitata</i>	Yellow Dalea
<i>Dalea greggii</i>	Gregg's Prairie Clover, Trailing Indigo Bush, Trailing Dalea
<i>Oenothera berlandieri</i>	Mexican Evening Primrose, Showy Evening Primrose, Berlandier Primrose
<i>Oenothera stubbei</i>	Saltillo Evening Primrose, Chihuahuan Primrose,
<i>Rosmarinus officinalis</i>	Rosemary, Bush Rosemary, Trailing Rosemary
<i>Santolina chamaecyparissus</i>	Lavender Cotton, Gray Santolina
<i>Teucrium chamaedrys</i> 'Prostratum'	Prostrate Germander, Creeping Germander, Germander
<i>Verbena rigida</i>	Tuberous Vervain, Sandpaper Verbena, Purple Verbena
<i>Zauschneria californica</i>	Hummingbird Trumpet, Hummingbird Flower

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Perennial	
Botanical Name (Synonym)	Common Names
<i>Acmispon rigidus</i>	Shrubby Deervetch, Desert Deerweed, Deer Vetch
<i>Amsonia grandiflora</i>	Arizona Bluestar, Large-Flowered Blue Star
<i>Bahia absinthifolia</i>	Hairyseed Bahia, Desert Daisy, Bahia
<i>Baileya multiradiata</i>	Desert Marigold, Desert Baileya, Wild Marigold
<i>Berlandiera lyrata</i>	Lyreleaf Greeneyes, Chocolate Flower
<i>Centaurea cineraria</i>	Dusty Miller, Silver Dust
<i>Datura wrightii</i> ( <i>D. meteloides</i> , <i>D. innoxia</i> )	Sacred Thornapple, Sacred Datura, Jimson Weed
<i>Gaillardia aestivalis</i> var. <i>winkleri</i>	Winkler's Blanketflower, Winkler Gaillardia,
<i>Gaillardia pinnatifida</i>	Red Dome Blanketflower, Blanketflower
<i>Glandularia gooddingii</i>	Southwestern Mock Vervain, Goodding Verbena
<i>Linum lewisii</i>	Lewis Flax, Blue Flax, Prairie Flax
<i>Melampodium leucanthum</i>	Plains Blackfoot, Blackfoot Daisy
<i>Mirabilis multiflora</i>	Colorado Four O'Clock, Desert Four O'Clock, Giant Four O'Clock
<i>Oenothera caespitosa</i>	Tufted Evening Primrose, White Evening Primros
<i>Penstemon ambiguus</i> var. <i>laevissimus</i>	Pink Plains Penstemon
<i>Penstemon amphorellae</i>	Mexican Blue Penstemon
<i>Penstemon baccharifolius</i>	Baccharisleaf Beardtongue, Cutleaf Penstemon, Rock Penstemon
<i>Penstemon barbatus</i>	Beardlip Penstemon, Beardtongue Penstemon, Scarlet Penstemon
<i>Penstemon cardinalis</i>	Cardinal Beardtongue, Cardinal Penstemon,
<i>Penstemon cobaea</i>	Cobaea Beardtongue, Foxglove Penstemon,
<i>Penstemon eatonii</i>	Firecracker Penstemon, Eaton Beardtongue, Fircracker Beardtongue
<i>Penstemon fendleri</i>	Fendler's Penstemon
<i>Penstemon grandiflorus</i>	Large Beardtongue, Largeflowered Penstemon
<i>Penstemon palmeri</i>	Palmer's Penstemon
<i>Penstemon parryi</i>	Parry's Beardtongue, Parry's Penstemon
<i>Penstemon pinifolius</i>	Pineneedle Beardtongue, Pineleaf Penstemo
<i>Penstemon pseudospectabilis</i>	Desert Penstemon, Canyon Penstemon,
<i>Penstemon spectabilis</i>	Showy Penstemon, Royal Penstemon
<i>Penstemon strictus</i>	Rocky Mountain Penstemon

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<i>Penstemon subulatus</i>	Hackberry Beardtongue, Little Beardtongue,
<i>Penstemon superbus</i>	Superb Beardtongue, Superb Penstemon, Coral Penstemon
<i>Penstemon triflorus</i>	Heller's Beardtongue, Hill Country Penstemon
<i>Penstemon wrightii</i>	Wright's Beardtongue, Wright's Penstemon, Texas Rose
<i>Psilostrophe cooperi</i>	Whitestem Paperflower, Paperflower
<i>Psilostrophe tagetina</i>	Woolly Paperflower, Paperflower
<i>Salvia farinacea</i>	Mealycup Sage, Texas Violet
<i>Salvia greggii</i>	Autumn Sage, Red Chihuahan Sage
<i>Santolina virens</i>	Green Santolina
<i>Senecio bicolor</i> subsp. <i>cineraria</i>	Dusty Miller, Silver Plant, Silver Ragwort
<i>Sphaeralcea ambigua</i>	Desert Globemallow, Globemallow, Sore-Eye Poppy
<i>Tetranneuris acaulis</i>	Stemless Four-Nerve Daisy, Angelita Daisy, Arizona Actinea
<i>Thymophylla acerosa</i>	Pricklyleaf Dogweed, Scrubby Dogweed, Dyssodia
<i>Thymophylla pentachaeta</i>	Fiveneedle Pricklyleaf, Golden Dyssodia, Golden Fleece
<i>Wedelia acapulcensis</i> var. <i>hispida</i>	Hairy Wedelia, Rough Zexmenia, Devil's River
<i>Zephyranthes</i> spp.	Zephyrlily, Rain Lily, Zephyr Flower
<i>Zinnia acerosa</i>	Desert Zinnia, Dwarf Zinnia, Spinyleaf Zinnia
<i>Zinnia grandiflora</i>	Rocky Mountain Zinnia, Plains Zinnia, Prairie Zinnia

<b>Shrub</b>	
Botanical Name (Synonym)	Common Names
<i>Acacia angustissima</i>	Prairie Acacia, White Ball Acacia, Fern Acacia
<i>Acacia redolens</i>	Bank Catclaw, Prostrate Acacia, Trailing Acacia
<i>Aloysia gratissima</i>	Whitebrush, Bee Brush, Fragrant Bush
<i>Aloysia wrightii</i>	Wright's Bee Brush, Oreganillo
<i>Ambrosia deltoidea</i>	Triangle Bur Ragweed, Triangle-Leaf Bursage, Burrobush
<i>Ambrosia dumosa</i>	Burrobush, White Bursage
<i>Anisacanthus quadrifidus</i>	Wright's Desert Honeysuckle, Flame Honeysuckle, Flame Anisacanthus
<i>Anisacanthus thurberi</i>	Thurber's Desert Honeysuckle, Desert Honeysuckle
<i>Artemesia filifolia</i>	Sand Sage, Sand Sagebrush

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<i>Artemisia ludoviciana</i>	White Sagebrush, White Sage, Prairie Sage
<i>Asclepias linaria</i>	Pineneedle Milkweed, Pine Leaf Milkweed
<i>Atriplex canescens</i>	Fourwing Saltbush, Wing-Scale, Chamiso
<i>Atriplex lentiformis</i>	Big Saltbush, Quail Bush, Lens Scale
<i>Atriplex lentiformis</i> subsp. <i>breweri</i>	Quailbush, Brewer Saltbush
<i>Atriplex nummularia</i>	Bluegreen Saltbush, Old Man Saltbush
<i>Atriplex polycarpa</i>	Cattle Saltbush, Desert Saltbush
<i>Atriplex semibaccata</i>	Australian Saltbush, Berry Saltbush, Creeping Saltbush
<i>Baccharis sarothroides</i> (male varieties only)	Desertbroom
<i>Bahiopsis parishii</i>	Parish's Goldeneye, Golden Eye
<i>Bauhinia lunarioides</i>	Texasplume, Anacacho Orchid Tree, Pink or White Orchid Tree
<i>Bebbia juncea</i>	Sweetbush, Chuckwalla's Delight, Sweetbush Bebbia
<i>Berberis harrisoniana</i>	Harrison's Barberry, Kofa Mountain Barberry, Barberry
<i>Berberis trifoliolata</i>	Algerita, Wild Currant, Chapparral Berry
<i>Buddleja marrubifolia</i>	Woolly Butterflybush, Butterfly Bush
<i>Caesalpinia gilliesii</i>	Bird-Of-Paradise Shrub, Yellow Bird of Paradise, Desert Bird of Paradise
<i>Caesalpinia pulcherrima</i>	Pride-Of-Barbados, Red Bird of Paradise,
<i>Calliandra eriophylla</i>	Fairyduster, False Mesquite, Pink Fairy Duster
<i>Callistemon citrinus</i>	Crimson Bottlebrush, Lemon Bottlebrush
<i>Caryopteris X clandonensis</i>	Blue Mist
<i>Celtis pallida</i>	Spiny Hackberry, Desert Hackberry
<i>Cercocarpus ledifolius</i>	Curl Leaf Mountain Mahogany
<i>Chrysactinia mexicana</i>	Damianita, Damianita Daisy
<i>Condalia warnockii</i> var. <i>kearneyana</i>	Kearney's Snakewood, Condalia, Mexican Pincushion
<i>Convolvulus cneorum</i>	Bush Morning Glory, Silverbush
<i>Cordia parvifolia</i>	Small-Leaf Geigertree, Littleleaf Cordia
<i>Dalea bicolor</i> var. <i>argyrea</i>	Silver Prairie Clover, Dalea Bicolor, Silver Dalea
<i>Dalea frutescens</i>	Black Prairie Clover, Black Dalea
<i>Dalea pulchra</i>	Santa Catalina Prairie Clover, Indigo Bush, Bush Dalea
<i>Dalea versicolor</i> var. <i>sessilis</i>	Oakwoods Prairie Clover, Wislizenus Dalea, Indigo Bush
<i>Dodonaea viscosa</i>	Florida Hopbush, Hopbush, Hopseed Bush
<i>Ephedra nevadensis</i>	Nevada Joint fir, Ephedra, Mormon Tea
<i>Ephedra viridis</i>	Mormon Tea, Joint Fir

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<i>Ericameria laricifolia</i>	Turpentine Bush, Larchleaf Goldenweed, Ericameria
<i>Eriogonum fasciculatum</i>	Eastern Mojave Buckwheat, California Buckwheat, Flattop Buckwheat
<i>Eriogonum wrightii</i>	Bastardsage, Wright Buckwheat
<i>Forestiera neomexicana</i>	New Mexico Olive
<i>Fraxinus greggii</i>	Greg's Ash, Littleleaf Ash
<i>Gutierrezia sarothrae</i>	Broom Snakeweed, Snakeweed,
<i>Hamelia patens</i>	Scarletbush, Texas Firecracker Bush, Fire Bush
<i>Hibiscus coulteri</i>	Desert Rosemallow, Yellow Hibiscus, Coulter's Hibiscus
<i>Juniperus sabina</i>	Savin, Sabine Juniper
<i>Larrea tridentata</i>	Creosote Bush, Greasewood
<i>Leucophyllum</i> spp.	Texas Sage, Texas Ranger
<i>Lycium andersonii</i>	Water Jacket, Desert Wolfberry, Anderson Thornbush
<i>Lycium exsertum</i>	Arizona Desert-Thorn, Thornbush, Wolfberry
<i>Lycium pallidum</i>	Pale Desert-Thorn, Desert-Thorn, Rabbit-Thorn
<i>Mimosa dysocarpa</i>	Velvetpod Mimosa, Velvetpod
<i>Myrtus communis</i>	Myrtle, Roman Myrtle
<i>Nandina domestica</i>	Sacred Bamboo, Heavenly-Bamboo
<i>Perovskia atriplicifolia</i>	Russian Sage
<i>Poliomintha maderensis</i>	Mexican Oregano, Lavender Spice
<i>Punica granatum</i>	Pomegranate
<i>Pyracantha</i> spp.	Pyracantha, Firethorn
<i>Quercus gambelii</i>	Gambel Oak
<i>Quercus turbinella</i>	Sonoran Scrub Oak, Shrub Live Oak
<i>Rhus microphylla</i>	Littleleaf Sumac, Desert Sumac
<i>Rhus ovata</i>	Sugar Sumac, Sugarbush
<i>Rhus trilobata</i>	Skunkbush Sumac, Three Leaf Sumac
<i>Rhus virens</i>	Evergreen Sumac
<i>Rosmarinus officinalis</i>	Rosemary, Bush Rosemary, Trailing Rosemary
<i>Salvia chamaedryoides</i>	Blue Sage, Blue Chihuahuan Sage
<i>Salvia clevelandii</i>	Fragrant Sage, Cleveland Sage
<i>Salvia dorrii</i>	Purple Sage, Mojave Sage, Desert Sage
<i>Salvia</i> hybrid	Trident, Carl Nielson Sage
<i>Salvia mohavensis</i>	Mojave Sage
<i>Senegalia berlandieri</i>	Guajillo, Berlandier Acacia
<i>Senegalia greggii</i>	Catclaw Acacia, Gregg's Catclaw Acacia, Catclaw
<i>Senna wislizeni</i>	Wislizenus' Senna, Shrubby Cassia, Shrubby

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	Senna
<i>Teucrium fruticans</i>	Shrubby Germander, Bush Germander
<i>Trixis californica</i>	American Threefold, Trixis
<i>Vachellia constricta</i>	Whitethorn Acacia, Mescat Acacia
<i>Vachellia farnesiana</i>	Sweet Acacia, Southwestern Sweet Acacia
<i>Vauquelinia californica</i>	Arizona Rosewood
<i>Vauquelinia corymbosa</i>	Slimleaf Rosewood, Narrow-Leaf Rosewood Mexican Rosewood
<i>Viguiera stenoloba</i>	Resinbush, Skeleton-Leaf Goldeneye
<i>Xylosma congesta</i>	Dense Logwood, Xylosma

Tree	
Botanical Name (Synonym)	Common Names
<i>Acca sellowiana</i>	Feijoa, Pineapple Guava
<i>Allocasuarina verticillata</i>	Drooping She-Oak, Coast Beefwood,
<i>Bauhinia lunarioides</i>	Texasplume, Anacacho Orchid Tree, Pink or White Orchid Tree
<i>Brahea armata</i>	Mexican Blue Palm, Mexican Blue Fan Palm, Blue Hesper Palm
<i>Casuarina cunninghamiana</i>	River Sheoak, Australian Pine
<i>Celtis reticulata</i>	Netleaf Hackberry, Western Hackberry, Canyon Hackberry
<i>Ceratonia siliqua</i>	St. John's Bread Tree, Carob,
<i>Cercis canadensis</i> var. <i>mexicana</i>	Mexican Redbud, Western Redbud,
<i>Cercocarpus ledifolius</i>	Curl Leaf Mountain Mahogany
<i>Chilopsis linearis</i>	Desert Willow, Desert Willow 'Warren Jones', Desert Willow 'Lucretia Hamilton'
<i>Chitalpa</i> 'Morning Cloud'	Morning Cloud Chitalpa
<i>Chitalpa tashkentensis</i>	Chitalpa
<i>Cupressus arizonica</i>	Arizona Cypress, Rough-Barked Arizona Cypress
<i>Cupressus arizonica</i> var. <i>glabra</i>	Smooth Bark Cypress
<i>Dermatophyllum secundiflorum</i>	Mescal Bean, Texas Mountain Laurel
<i>Eucalyptus microtheca</i>	Coolibah, Tiny Capsule Eucalyptus, Flooded Box
<i>Eysenhardtia texana</i>	Texas Kidneywood, Kidneywood
<i>Forestiera neomexicana</i>	New Mexico Olive
<i>Fraxinus velutina</i>	Fan Tex Ash
<i>Juglans major</i>	Arizona Walnut
<i>Juniperus chinensis</i>	Chinese Juniper, Juniper
<i>Juniperus deppeana</i>	Alligator Juniper, Alligator Bark Juniper
<i>Leucaena retusa</i>	Littleleaf Leadtree, Golden Leadball, Golden

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	Ball Lead Tree
<i>Parkinsonia florida</i>	Blue Palo Verde
<i>Parkinsonia hybrid "Desert Museum"</i>	Desert Museum Palo Verde
<i>Parkinsonia microphylla</i>	Yellow Palo Verde, Foothill Palo Verde, Littleleaf Palo Verde
<i>Pinus brutia</i> var. <i>eldarica</i>	Afghan Pine, Mondel Pine
<i>Pinus edulis</i>	Twoneedle Pinyon, Pinyon Pine, Nut Pine
<i>Pinus monophylla</i>	Singleleaf Pinyon Pine, Single-Needle Pinyon, Nut Pine
<i>Pinus pinea</i>	Italian Stone Pine
<i>Pinus roxburghii</i>	Chir Pine, Indian Longleaf Pine,
<i>Pistacia atlantica</i>	Mt. Atlas Mastic Tree, Mt. Atlas Pistache
<i>Pistacia atlantica x integerrima</i>	Red Push Pistache
<i>Pistacia chinensis</i>	Chinese Pistache
<i>Pistacia texana</i>	Texas Pistache, American Pistachio
<i>Pistacia vera</i>	Pistachio Nut, Pistachio,
<i>Prosopis glandulosa</i>	Honey Mesquite, Texas Honey Mesquite, Western Honey Mesquite
<i>Prosopis pubescens</i>	Screwbean Mesquite, Tornillo
<i>Prosopis velutina</i>	Velvet Mesquite
<i>Quercus arizonica</i>	Arizona White Oak
<i>Quercus buckleyi</i>	Texas Red Oak
<i>Quercus emoryi</i>	Emory Oak
<i>Quercus fusiformis</i>	Texas Live Oak, Escarpment Live Oak,
<i>Quercus gambelii</i>	Gambel Oak
<i>Quercus ilex</i>	Holly Oak
<i>Quercus muehlenbergii</i>	Chinquapin Oak
<i>Quercus polymorpha</i>	Netleaf White Oak, Monterey Oak,
<i>Quercus virginiana</i>	Live Oak, Southern Live Oak,
<i>Sabal mexicana</i>	Texas Sabal Palm
<i>Sambucus nigra</i> subsp. <i>cerulea</i>	Blue Elderberry, Mexican Elderberry
<i>Sapindus saponaria</i> var. <i>drummondii</i>	Western Soapberry, Soapberry
<i>Ulmus parvifolia</i> and cultivars	Chinese Elm, Lacebark Elm, Little Leaf Elm
<i>Ungnadia speciosa</i>	Mexican Buckeye
<i>Vitex agnus-castus</i>	Lilac Chastetree, Chastetree, Monk's Pepper
<i>Washingtonia filifera</i>	California Fan Palm
<i>Ziziphus jujuba</i>	Chinese Jujube, Chinese Date, Common Jujube

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Vine	
Botanical Name (Synonym)	Common Names
<i>Antigonon leptopus</i>	Coral Vine, Queen's Wreath, Mexican Mountain Creeper
<i>Campsis radicans</i>	Trumpet Creeper, Common Trumpet Creeper
<i>Cissus trifoliata</i>	Sorrelvine, Grape Ivy, Desert Grape Ivy
<i>Dolichandra unguis-cati</i>	Catclawvine
<i>Rosa banksiae</i>	Lady Banks Rose, Tombstone Rose

## Appendix

### A. Relevant Definitions for the Low Water Use Plant List

**Active Management Area:** “A geographical area which has been designated ... as requiring active management of groundwater...” ([Arizona Revised Statutes Title 45-402.2](#))

**Cultivars:** “A cultivar is a cultivated variety (may be called a horticultural variety). Cultivars are [cultivated and] maintained via human intervention.” ([Natural Resources Conservation Service](#))

**Drought tolerant:** “Drought tolerance or drought dormancy refers to desert plants’ ability to withstand desiccation.” ([Arizona-Sonora Desert Museum](#))

**Genus:** Group of plant species with shared physical characteristics.  
- Taxonomic example: *Chlyismia*

**Groundwater:** “The water that fills the spaces and pores between particles of soil and rocks and is stored in underground aquifers.” ([Arizona Department of Water Resources](#))

**Hybrid:** “A hybrid is a plant that is a cross between two species. Sometimes this occurs in nature. Other times crosses are made intentionally.” ([Natural Resources Conservation Service](#))

**Median:** “The area between opposing lanes of traffic, excluding turn lanes. Medians in urban and suburban areas can be defined by pavement markings, raised medians, or islands to separate motorized and non-motorized road users” ([U.S. Department of Transportation, FHWA-SA-17-064](#))

**Public rights-of-way:** “When used within the context of the real property on which transportation facilities and appurtenances to the facilities are constructed or maintained means the lands or interest in lands within the right-of-way boundaries.” ([Arizona Revised Statutes Title 28-101.66](#))

**Species:** Related plants in a genus with separating characteristics. See taxonomic example below:  
- Taxonomic example: *Chlyismia cardiophylla*

**Synonym:** Scientific name that was previously used to identify a plant.

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### **B. Additional Resources**

The Low Water Use and Drought Tolerant Plant List is a regulatory document; its sole purpose is to identify which plants are allowed in medians and public rights-of-way irrigated with any amount of groundwater within the Douglas Active Management Area.

Some additional resources, educational materials, and plant search engines for supplementary information on the listed plant genera, species, taxonomy, and characteristics are included below:

- [Arizona Department of Agriculture Native Plants Law](#) provides plant lists and information regarding use of native plants for landscaping.
- [ASU's Virtual Library of Phoenix Landscape Plants](#) by Dr. Chris Martin provides a reliable list of landscaping plants used in Phoenix and other southwestern cities.
- [AMWUA Landscape Plants for the Arizona Desert](#) lists plants for landscaping that are well adapted to Arizona conditions, the plants may be found using the advanced search engine function. It includes plant characteristics and water needs.
- [SEINet Arizona-New Mexico Chapter](#) lists plant information from various institutions (museums, agencies, universities, etc.) across the Southwest via its data portal and search engine function.
- [The Arboretum at Penn State](#) has a helpful guide to plant nomenclature processes and rules that may aid with botany or landscaping management.
- [The Arizona Native Plant Society](#) has a variety of brochures that provide photos and information (landscaping tips, water use, maintenance, etc.) about plants that are native to Arizona desert regions or are non-native but low water use.
- [University of Arizona Cooperative Extension Master Gardener County Contacts](#) are a list of county contacts for the University of Arizona's Cooperative Extension program, emphasizing agriculture and gardening.
- [University of Arizona Herbarium](#) is a collection of plant research from across the southwestern United States and northwestern Mexico.
- [USDA Natural Resources Conservation Service Plants Database](#) provides standardized, up to date information about plants, including characteristics, images, native distribution, among other information.

Additionally, visit ADWR's [Conservation](#) website, as well as the [Arizona Water Facts](#) website, for helpful information on Arizona-friendly landscapes.

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### **C. Request to Modify or Waive the Requirement**

Pursuant to the Douglas AMA 1MP sections 5-507(B)(3), and 6-402(5), the ADWR Director may waive the requirement to exclusively use plants on the LWUPL if the water user demonstrates to the satisfaction of the Director that the plants on the list cannot grow in a publicly owned right-of-way because of high elevation or low light conditions, such as a freeway underpass. Those who wish to request a **waiver** of the list should submit their request in writing or by email to the ADWR Director including the following information:

1. Description of the location of the publicly owned right-of-way
2. Map showing the location of the right-of-way and the place where plants will be located
3. Botanical and common name of the plant under consideration
4. Description of plant's water needs, including references

Additionally, anyone wishing to **add, delete, or modify** information on the list is encouraged to submit their request in an [Application for Modification](#) to the ADWR Director in writing or email.

**Waiver** and **modification** requests can be sent to:

Conservation Specialist  
Arizona Department of Water Resources  
1802 W. Jackson St. Box #79  
Phoenix, AZ 85007  
conservation@azwater.gov