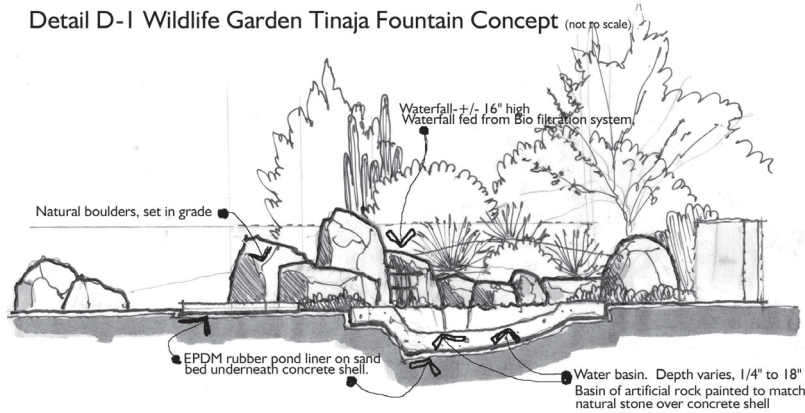


Wildlife Garden

This replica of a riparian habitat in a rocky canyon, surrounded by large specimen boulders, incorporates a biologically active "natural" water feature that promotes both an appreciation and understanding of water gardening, and its role in supporting and attracting desert wildlife. The pond itself is of sufficient depth for future native

Detail D-1 Wildlife Garden Tinaja Fountain Concept (not to scale)



fish species, and incorporates planting pockets for potted emergent water plants. It is designed with an appropriate biological filtration system and sump with auto fill to maintain a constant, high quality water supply for both plants and wildlife.

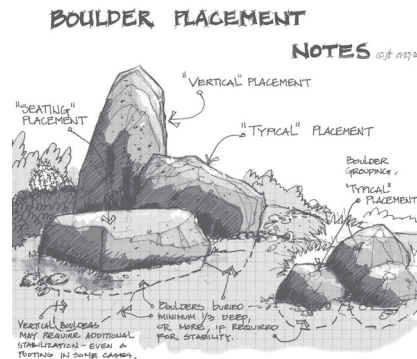
When using water to attract wildlife, it is important to know that standing water is not only a habitat for mosquitoes, but also a potential source of disease for birds and other wildlife. The biological filtration, the presence of living plants, fish, and microorganisms (including algae) serves to remove the bacteria harmful to the wildlife you are trying to attract. The pond basin itself is designed to provide a variety of depths allowing animals of different sizes and water needs to find an access they are comfortable with for bathing and drinking. A natural looking water feature has

strong appeal for people, but animals are attracted to the water and not the design of its delivery system, so a more modernistic, sculptural design would work as well.

Wildlife garden design is not the for neatness fanatic. Animals require a variety of plant materials not only for food, but also for shelter and cover. From groundcovers and low shrubs to larger bushes and tall trees, multi-storied plants should

be included and allowed to grow in a relatively natural form; as regards pruning, less is more. Remember too that insects are not considered pests but rather part of the food chain, attracting many reptiles and birds; some plant damage is to be expected. Rocks and large boulders also provide habitat for animals, with crevices for hiding and even setting up housekeeping.

Certain species of wildlife are attracted to plant species – hummingbirds for example prefer tubular, nectar-producing flowers in the red to pink range such as these *Salvia greggii*. Butterflies are attracted to flowering plants when adults, but in their larval stage, their needs are very different. The black pipevine swallowtail feeds on Dutchman's pipe as a caterpillar, and enjoys the nectar of *buddleia* as an adult. We have included pine-leaf, skeleton, and tropical milkweeds, which feed both adult



and larval stages. Depending on the species, birds feed on insects, fruits, seeds, or even small reptiles and mammals. Native grasses like deergrass (*Muhlenbergia rigens*), blue grama (*Bouteloua gracilis*), and bluestems (*Andropogon spp.*) are a good choice for attracting seedeaters like finches, sparrows, and doves. A native fruiting shrub like wolfberry will prove irresistible to everyone from cactus wrens to cardinals.

Keep in mind that this area represents the core of a wildlife garden but does not stop at the limits of the path. The boulders provide a visual connection between this small space and the surrounding Xeriscape Garden, itself an extension of gardening for wildlife.

Hardscape



- Specimen boulders (Tucson Mtn. stone, Walter J. Davis Rock Company)
- Re-circulating pond (Deserts Streams and Waterfalls)
- 1/4" minus stabilized decomposed granite (Tucson Rose, Kalamazoo Materials, Inc.)

- Flagstone pavers (*Sedona Red*, Tierra Stone)
- New Generation bronze sculpture by Mark Rossi, commissioned for Tohono Chul Park by Mrs. Martha Cargill
- Freestanding landscape lighting (FX Lighting)



Wildlife Garden Plant List

Map Location	Botanical Name	Common Name(s)	Typical Height x Width	Landscape Use	Secondary Use	Lowest Water Use	Medium Water Use	Highest Water Use	TCP Greenhouse
1	Abutilon palmeri	Indian mallow	5 x 3	P	SH	L	M	H	✓
15	Andropogon scoparius	Little bluestem	2 x 2	G	A		M	H	✓
16	Anemopsis californica	Yerba mansa	0.7 x 6+	GC			M	H	✓
27	Asclepias currasavica	Bloodflower, Tropical milkweed	4 x 1.5	P			M	H	✓
28	Asclepias linaria	Pineleaf milkweed	2 x 3	SH		L	M		✓
30	Aspicarpa hirtella	Fringe-flowered carpet	.4 x 2	GC			M		✓
34	Bahia absinthifolia	Bahi	.8 x 1	P	WF	L	M		✓
37	Bouteloua gracilis	Blue grama	1 x 1	G	GT		M	H	✓
48	Calliandra californica	Baja fairy duster	6 x 4	SH		L	M		✓
57	Celits reticulata	Canyon hackberry	40 x 30	T			M	H	✓
58	Cercidium microphyllum	Foothill palo verde	12 x 15	T		L			✓
60	Chrysactinea mexicana	Damianita	2 x 2	SH		L	M		✓
83	Erigeron sp.	Fleabane	1 x 1.5	P	WF		M	H	✓
84	Erythrina bidwillii	Coral bean hybrid	6 x 6	SH	A		M	H	✓
94	Gaura lindheimeri	Gaura	4 x 4	P	WF		M		✓
106	Hymenoxys acaulis	Angelita daisy	.8 x 1	P	WF	L	M		✓
114	Justicia candicans	Mexican honeysuckle	4 x 4	SH			M	H	✓
123	Melochia tomentosa	Pyramid bush	5 x 5	SH			M	H	✓
129	Muhlenbergia rigens	Deergrass	3 x 5	G	A		M	H	✓
133	Oenothera caespitosa	Tufted evening primrose	0.8 x 2	P	GC	L	M		✓
136	Passiflora byronoides	Hardy passionflower	15 x 15	V			M	H	✓
138	Penstemon baccharifolius	Texas hill country penstemon	2 x 2	P	WF		M		✓
139	Penstemon eatonii	Firecracker penstemon	1.5 x 3	P	WF		M		✓
149	Plumbago scandens	Summer snow	4 x 4	GC	P		M	H	✓
169	Ruellia peninsularis	Baja petunia bush	4 x 5	SH		L	M		✓
179	Salvia greggii 'peaches-n-cream'	Peaches-n-cream autumn sage	3 x 3	SH			M	H	✓
180	Salvia greggii 'purple'	Purple autumn sage	3 x 3	SH			M	H	✓
182	Salvia greggii	Autumn sage	3 x 3	SH			M	H	✓
185	Salvia sinaloensis	Creeping blue sage	1.5 x 2	GC			M	H	✓
208	Verbena gooddingii	Goodding's verbena	1 x 2	GC	WF		M	H	✓
214	Zauschneria californica	California fuschia	3 x 3	P	GC		M	H	✓

Key

- | | | | | | |
|------------|----------------|------------------|----------------|-----------------|--|
| A - accent | CN - container | GC - groundcover | PA - palm | T - tree | ✓ - generally available in Tohono Chul Park Greenhouse |
| B - bulb | F - fern | GT - grass/turf | SU - succulent | V - vine | |
| C - cactus | G - grass | P - perennial | SH - shrub | WF - wildflower | |

