

**Appendix B. Plant and Wildlife Nomenclature and
Description of Seasonal Drainages**

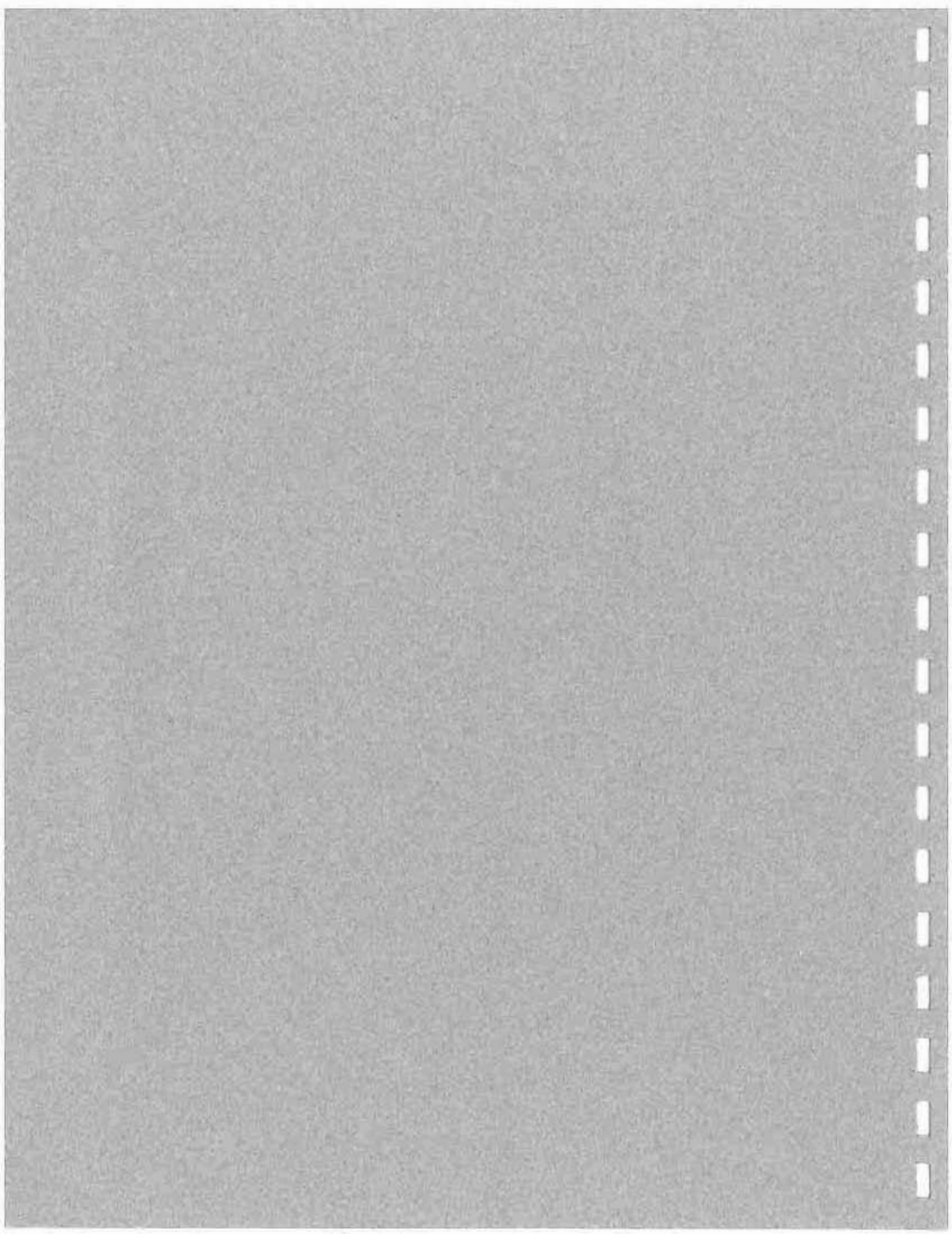


Table B-1. Plant Species Encountered along the Proposed
Water Delivery Pipeline Corridor

Common Name	Scientific Name
Barrel cactus	<i>Ferocactus wislizenii</i> ^a
Bermuda grass	<i>Cynodon dactylon</i>
Blazing star	<i>Mentzelia pumila</i>
Blue palo verde	<i>Cercidium floridum</i> ^b
Bristle-lobed sandmat	<i>Euphorbia setiloba</i>
Brittle bush	<i>Encelia farinosa</i>
Broom snakeweed	<i>Gutierrezia sarothrae</i>
Burro brush	<i>Hymenoclea salsola</i>
Canyon ragweed	<i>Ambrosia ambrosioides</i>
Catclaw acacia	<i>Acacia greggii</i> var. <i>arizonica</i>
Chain fruit cholla	<i>Opuntia fulgida</i> ^a
Creosote bush	<i>Larrea tridentata</i>
Desert broom	<i>Baccharis sarathroides</i>
Desert Christmas cactus	<i>Opuntia leptocaulis</i> ^a
Desert hackberry	<i>Celtis pallida</i>
Desert holly	<i>Atriplex hymenelytra</i>
Desert mistletoe	<i>Phoradendron californicum</i>
Desert senna	<i>Cassia covesii</i>
Desert tobacco	<i>Nicotiana trigonophylla</i>
Desert trumpet	<i>Eriogonum inflatum</i>
Desert willow	<i>Chilopsis linearis</i> ^b
Englemann's prickly pear	<i>Opuntia phaeacantha</i> ^a
Fluff grass	<i>Erioneuron pulchellum</i> (<i>Tridens pulchellus</i>)
Foothill palo verde	<i>Cercidium microphyllum</i> ^b
Fountain grass	<i>Pennisetum setaceum</i>
Four-wing saltbush	<i>Atriplex canescens</i>
Globe mallow	<i>Sphaeralcea ambigua</i>
Gray thorn	<i>Zizyphus obtusifolia</i>
Hairy tridens	<i>Erioneuron pilosum</i> (<i>Tridens pilosus</i>)
Janusia	<i>Janusia gracilis</i>
Mormon tea	<i>Ephedra</i> sp.
Ocotillo	<i>Fouquieria splendens</i> ^b
Rabbit brush	<i>Chrysothamnus nauseosus</i>
Rambling milkweed	<i>Sarcostemma hirtellum</i>
Roughseed clammyweed	<i>Polanisia dodecandra</i> ssp. <i>trachysperma</i>
Russian thistle	<i>Salsola iberica</i>
Sacred datura	<i>Datura</i> sp.
Saguaro	<i>Cereus giganteus</i> ^a

Common Name	Scientific Name
Seep willow	<i>Baccharis salicifolia</i>
Six-weeks three awn	<i>Aristida adsensionis</i>
Skeleton weed	<i>Eriogonum deflexum</i>
Strawberry hedgehog	<i>Echinocereus engelmannii^a</i>
Teddy bear cholla	<i>Opuntia bigelovii^a</i>
Tobosa grass	<i>Hilaria mutica</i>
Triangle-leaf bursage	<i>Ambrosia deltoidea</i>
Velvet mesquite	<i>Prosopis velutina^c</i>
Western honey mesquite	<i>Prosopis glandulosa^c</i>
White-thorn acacia	<i>Acacia constricta</i>
White virgin's bower	<i>Clematis ligusticifolia</i>
Woolly tidestromia	<i>Tidestromia lanuginosa</i>

Notes:

^a Salvage restricted protected native plants

^b Salvage assessed native plants

^c Harvest restricted protected native plants

Table B-2. Wildlife Species Encountered along the Proposed
Water Delivery Pipeline Corridor

Common Name	Scientific Name
Birds	
American kestrel	<i>Falco sparverius</i>
Black-tailed gnatcatcher	<i>Polioptila melanura</i>
Black-throated sparrow	<i>Amphispiza bilineata</i>
Cactus wren	<i>Campylorhynchus brunneicapillus</i>
Common raven	<i>Corvus corax</i>
Curve-billed thrasher	<i>Toxostoma curvirostre</i>
Gambel's quail	<i>Lophortyx gambelii</i>
Gila woodpecker	<i>Melanerpes uropygialis</i>
Harris' hawk	<i>Parabuteo unicinctus</i>
Horned lark	<i>Eremophila alpestris</i>
House finch	<i>Carpodacus mexicanus</i>
Killdeer	<i>Charadrius vociferos</i>
Loggerhead shrike	<i>Lanius ludovicianus</i>
Mourning dove	<i>Zenaida macroura</i>
Northern cardinal	<i>Cardinalis cardinalis</i>
Northern flicker	<i>Colaptes auratus</i>
Northern mockingbird	<i>Mimus polyglottus</i>
Phainopepla	<i>Phainopepla nitens</i>
Red-tailed hawk	<i>Buteo jamaicensis</i>
Ruby-crowned kinglet	<i>Regulus calendula</i>
Verdin	<i>Auriparus flaviceps</i>
Western kingbird	<i>Tyrannus verticalis</i>
White-crowned sparrow	<i>Zonotrichia leucophrys</i>
Mammals	
Black-tailed jackrabbit	<i>Lepus californicus</i>
Coyote	<i>Canis latrans</i>
Desert mule deer	<i>Odocoileus hemionus crooki</i>
Desert cottontail	<i>Sylvilagus auduboni</i>
Harris' antelope ground squirrel	<i>Ammospermophilus harrisi</i>
Kit fox (tracks)	<i>Vulpes macrotis</i>
Ringtail	<i>Bassariscus astutus</i>
White-throated woodrat (nest)	<i>Neotoma albigula</i>

Table B-2. Continued

Common Name	Scientific Name
Reptiles	
Side-blotched lizard	<i>Uta stansburiana</i>
Western whiptail	<i>Cnemidophorus tigris</i>

Table B- 3. Locations and Characteristics of Seasonal Drainages
Along the Proposed Water Delivery Pipeline Corridor

	Drainage Location	Vegetation	Approximate Width (feet) Bed and Bank Condition
	1. Between Waddell Canal and the proposed pump station, parallel to the canal	Foothill palo verde, triangle bursage, creosote bush, velvet mesquite	3 feet, cobble bottom with bed and bank
	2. First drainage crossing between proposed pump station and Carefree Highway	None	5 feet, flat gravel bottom with bed and bank
	3. Second drainage crossing between proposed pump station and Carefree Highway	None	10 feet, sandy bottom with bed and bank
B-5	4. First drainage crossing from Carefree Highway to intersection with haul road	Desert senna, brittle bush, creosote bush	1 foot, shallow overland drainage with no bed and bank
	5. Second drainage crossing from Carefree Highway to intersection with haul road	Brittle bush, tobosa grass, foothill palo verde, velvet mesquite, gray thorn, triangle bursage	1 foot, shallow overland drainage with no bed and bank
	6. Third drainage crossing from Carefree Highway to intersection with haul road	Bristle-lobed sandmat, globe mallow	1 foot, shallow overland drainage with no bed and bank
	7. Fourth drainage crossing from Carefree Highway to intersection with haul road	Velvet mesquite, creosote bush	1 foot, slightly incised, sand/cobble bottom with no bed and bank
	8. Fifth drainage crossing from Carefree Highway to intersection with haul road	Brittle bush, tobosa grass, creosote bush, foothill palo verde, triangle bursage	1 foot, slightly incised with no bed and bank
	9. Haul road; first drainage from transmission line to New River	Foothill palo verde, triangle bursage, velvet mesquite	2 foot, 2 to 3 feet incised with bed and bank
	10. Haul road; second drainage from transmission line to New River	Globe mallow, triangle bursage, bristle-lobed sandmat, catclaw acacia, foothill palo verde	15 feet wide with bed and bank, 5 foot channel north of haul road, channel modified by haul road and only slightly incised to the south
	11. Haul road; third drainage from transmission line to New River	Bristle-lobed sandmat, globe mallow	.5 feet, no bed and bank

Table B-3. Continued

Drainage Location	Vegetation	Approximate Width (feet) Bed and Bank Condition
12. Haul road; fourth drainage from transmission line to New River	Bermuda grass, bristle-lobed sandmat, six-weeks three awn, desert broom triangle bursage	20 feet wide, bed and bank with vegetated channel
13. Haul road; fifth drainage from transmission line to New River	Bristle-lobed sandmat, brittle bush, six-weeks three awn, triangle bursage	20 foot wide scoured channel north of haul road, five foot wide vegetated channel below haul road, with defined bed and bank
14. Reclamation borrow site to I-17; first drainage	None	5 feet wide with bed and bank
15. Reclamation borrow site to I-17; second drainage	Velvet mesquite	15 feet wide with bed and bank
B-6 16. Del Webb property from I-17 to proposed treatment plant; first drainage adjacent to I-17, is a continuation of #16	Triangle bursage, desert senna	10 feet wide with bed and bank
17. Del Webb property from I-17 to proposed treatment plant; second drainage	Canyon ragweed	5 feet wide with bed and bank, deeply incised with cobble bottom