

APPENDIX M

*Plant Species Potentially Occurring
within San Vicente Reservoir*

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Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Foremain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline – In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Abronia maritima</i>	red sand-verbena	None/None/4.2/None	Coastal dunes/perennial herb/Feb–Nov/0–328	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. No suitable coastal dune vegetation present.
<i>Acanthomintha ilicifolia</i>	San Diego thorn-mint	FT/CE/1B.1/ Covered, Narrow Endemic	Chaparral, coastal scrub, valley and foothill grassland, vernal pools; clay, openings/annual herb/Apr–June/33–3150	X	L	L	L	L	L	L	L	L	L	X	X	L	Low potential to occur in Project components with suitable vegetation and clay soils. However, focused surveys for this species were negative. Not expected to occur in Project components lacking suitable vegetation and/or clay soils.
<i>Acmispon prostratus</i>	Nuttall's acmispon	None/None/1B.1/ Covered	Coastal dunes, coastal scrub (sandy)/annual herb/Mar–June (July)/ 0–33	X	L	X	X	X	X	L	L	L	L	X	X	X	Low potential to occur along the Morena Pipelines, which run closer to the coast and contains sandy soils. Not expected to occur along other Project components farther from the coast.

APPENDIX M (Continued)

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<i>Adolphia californica</i>	California adolphia	None/None/2B.1/None	Chaparral, coastal scrub, valley and foothill grassland; clay/perennial deciduous shrub/ Dec–May/148–2428	X	L	L	L	L	L	L	L	L	L	L	X	L	Low potential to occur in Project components with suitable vegetation and clay soils. This perennial shrub would likely have been observed during surveys if present. Not expected to occur in Project components lacking suitable vegetation and/or clay soils.
<i>Agave shawii</i> var. <i>shawii</i>	Shaw's agave	None/None/2B.1/Covered, Narrow Endemic	Coastal bluff scrub, coastal scrub/perennial leaf succulent/Sep–May/33–394	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur within Project components with suitable coastal scrub habitat. The project site has suitable vegetation and soils, but closest occurrences within San Diego County are only at two localities, Point Loma and Tijuana. Not expected to occur within Project components lacking suitable coastal scrub habitat or outside of the species' known elevation range.

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<i>Ambrosia chenopodiifolia</i>	San Diego bur-sage	None/None/2B.1/None	Coastal scrub/perennial shrub/Apr–June/180–509	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with coastal scrub. However, this perennial shrub would have been observed during surveys if present. Not expected to occur in Project components lacking coastal scrub habitat or Miramar Wastewater Treatment Plant Improvements, which is outside of the species' known elevation range.
<i>Ambrosia monogyra</i>	singlewhorl burrobrush	None/None/2B.2/None	Chaparral, Sonoran desert scrub; sandy/perennial shrub/Aug–Nov/33–1640	X	X	X	X	X	X	L	L	L	L	L	L	L	Low potential to occur in components with suitable sandy chaparral habitat; however, this perennial shrub would likely have been observed if present. Not expected to occur in Project components lacking sandy chaparral.

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<i>Ambrosia pumila</i>	San Diego ambrosia	FE/None/1B.1/ Covered, Narrow Endemic	Chaparral, coastal scrub, valley and foothill grassland, vernal pools; sandy loam or clay, often in disturbed areas, sometimes alkaline/perennial rhizomatous herb/Apr–Oct/66–1362	X	L	L	L	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation and sandy loam or clay soils. Focused surveys for this species were negative. Not expected to occur in Project components lacking suitable vegetation and/or sandy loam or clay soils.
<i>Aphanisma blitoides</i>	aphanisma	None/None/1B.2/ Covered	Coastal bluff scrub, coastal dunes, coastal scrub; sandy or gravelly/annual herb/Mar–June/3–1001	X	L	X	X	X	X	L	L	L	L	L	X	X	Low potential to occur along the Morena Pipelines. Not expected to occur in other Project components farther from the coast.
<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i>	Del Mar manzanita	FE/None/1B.1/ Covered	Chaparral (maritime, sandy)/perennial evergreen shrub/Dec–June/0–1198	X	X	X	X	X	X	L	L	L	L	L	X	X	Not expected to occur. No maritime chaparral present.
<i>Arctostaphylos otayensis</i>	Otay manzanita	None/None/1B.2/ Covered	Chaparral, cismontane woodland; metavolcanic/perennial evergreen shrub/Jan–Apr/902–5577	X	X	X	X	X	X	L	L	L	L	L	X	X	Not expected to occur. The site is outside of the species' known elevation range.

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<i>Artemisia palmeri</i>	San Diego sagewort	None/None/4.2/None	Chaparral, coastal scrub, riparian forest, riparian scrub, riparian woodland; sandy, mesic/perennial deciduous shrub/(Feb) May–Sep/49–3002	X	D	L	X	L	L	L	L	L	L	L	L	DL	Observed along the Morena Pipelines, In-Reservoir Alternative Terminus, Tunnel Alternative Terminus, and the LFG Pipeline. Low potential to occur within the other components; would have been observed during surveys if present. Not expected to occur within Project components lacking suitable habitat.
<i>Asplenium vespertinum</i>	western spleenwort	None/None/4.2/None	Chaparral, cismontane woodland, coastal scrub; rocky/perennial rhizomatous herb/(Feb–June/591–3281	X	X	X	X	X	L	L	L	L	L	L	X	X	Low potential to occur in Project components with suitable vegetation within the known elevation range of the species. Focused surveys were negative for this species. Not expected to occur within Project components lacking suitable habitat and/or outside the known elevation range of the species.

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<i>Astragalus deanei</i>	Dean's milk-vetch	None/None/1B.1/None	Chaparral, cismontane woodland, coastal scrub, riparian forest/perennial herb/Feb–May/246–2280	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur within Project components with suitable habitat within the species' known elevation range. The most recent (since 1995) occurrences for this species occur with the Cleveland National Forest or Dehesa. Not expected to occur within Project components lacking suitable habitat or outside of the species' known elevation range.
<i>Astragalus oocarpus</i>	San Diego milk-vetch	None/None/1B.2/None	Chaparral (openings), cismontane woodland/perennial herb/May–Aug/1001–5000	X	X	X	X	X	X	L	L	L	L	L	X	X	Not expected to occur. The site is outside of the species' known elevation range.
<i>Astragalus tener</i> var. <i>titi</i>	coastal dunes milk-vetch	FE/CE/1B.1/ Covered, Narrow Endemic	Coastal bluff scrub (sandy), coastal dunes, coastal prairie (mesic); often vernal mesic areas/annual herb/Mar–May/3–164	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. No suitable vegetation present and this species generally occurs along the coast.

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<i>Atriplex coulteri</i>	Coulter's saltbush	None/None/1B.2/None	Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland; alkaline or clay/perennial herb/Mar–Oct/10–1509	X	L	L	L	L	L	L	L	L	L	X	X	L	Low potential to occur in Project components with suitable vegetation within the known elevation range of the species. Focused surveys were negative for this species. Not expected to occur within Project components lacking suitable habitat and/or outside the known elevation range of the species.
<i>Atriplex pacifica</i>	South Coast saltscale	None/None/1B.2/None	Coastal bluff scrub, coastal dunes, coastal scrub, playas/annual herb/Mar–Oct/0–459	X	L	L	X	L	L	L	L	L	L	X	L	L	Low potential to occur in Project components with suitable vegetation within the known elevation range of the species. Focused surveys were negative for this species. Not expected to occur within Project components lacking suitable habitat and/or outside the known elevation range of the species.

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<i>Atriplex parishii</i>	Parish's brittle scale	None/None/1B.1/None	Chenopod scrub, playas, vernal pools; alkaline/annual herb/June–Oct/82–6234	X	X	X	X	L	X	X	X	X	X	X	X	L	Low potential to occur within Project components with vernal pools. Not expected to occur in other Project components due to lack of suitable vegetation.
<i>Baccharis vanessae</i>	Encinitas baccharis	FT/CE/1B.1/Covered	Chaparral (maritime), cismontane woodland; sandstone/perennial deciduous shrub/Aug–Nov/197–2362	X	X	X	X	X	X	L	L	L	L	L	X	X	Not expected to occur. Perennial shrub would have been observed during surveys if present and all occurrences of this species are north of the project alignment (CDFW 2016).
<i>Berberis nevini</i>	Nevin's barberry	FE/CE/1B.1/Covered	Chaparral, cismontane woodland, coastal scrub, riparian scrub; sandy or gravelly/perennial evergreen shrub/Mar–June/230–2707	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur in areas with suitable vegetation and soils. Perennial shrub would have been observed during surveys if present.
<i>Bergerocactus emoryi</i>	golden-spined cereus	None/None/2B.2/None	Closed-cone coniferous forest, chaparral, coastal scrub; sandy/perennial stem succulent/May–June/10–1296	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur in areas with suitable vegetation and soils. Perennial shrub would have been observed during surveys if present.

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<i>Bloomeria clevelandii</i>	San Diego goldenstar	None/None/1B.1/ Covered	Chaparral, coastal scrub, valley and foothill grassland, vernal pools; clay/perennial bulbiferous herb/Apr–May/164–1526	X	L	L	L	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation and soils. Focused surveys for this species were negative. Not expected to occur in Project components lacking suitable habitat.
<i>Brodiaea filifolia</i>	thread-leaved brodiaea	FT/CE/1B.1/ Covered	Chaparral (openings), cismontane woodland, coastal scrub, playas, valley and foothill grassland, vernal pools; often clay/perennial bulbiferous herb/Mar–June/82–3675	X	L	L	L	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation and soils. Focused surveys for this species were negative. Not expected to occur in Project components lacking suitable habitat.
<i>Brodiaea orcuttii</i>	Orcutt's brodiaea	None/None/1B.1/ Covered	Closed-cone coniferous forest, chaparral, cismontane woodland, meadows and seeps, valley and foothill grassland, vernal pools; mesic, clay, sometimes serpentinite/perennial bulbiferous herb/May–July/98–5551	X	L	L	L	L	L	L	L	L	L	L	L	D	Observed along the LFG Pipeline. Low potential to occur in most other Project components. Species would have been observed during surveys if present. Not expected to occur in Project components lacking suitable habitat.

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<i>Calamagrostis koelerioides</i>	Fire reedgrass	None/None/None/Covered	Chaparral, meadows and seeps; slopes, dry hills, ridges/perennial grass/June–Aug/0–7546	X	X	X	X	X	X	L	L	L	L	L	L	L	Low potential to occur in components with suitable chaparral habitat; however, this species was not observed during focused surveys. Not expected to occur in Project components lacking chaparral.
<i>Calandrinia breweri</i>	Brewer's calandrinia	None/None/4.2/None	Chaparral, coastal scrub; sandy or loamy, disturbed sites and burns/annual herb/Mar–June/33–4003	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation and soils. Focused surveys for this species were negative. Not expected to occur in Project components lacking suitable habitat.
<i>California macrophylla</i>	round-leaved filaree	None/None/1B.2/None	Cismontane woodland, valley and foothill grassland; clay/annual herb/Mar–May/49–3937	X	L	L	L	L	L	L	L	L	L	L	X	L	Low potential to occur in Project components with suitable vegetation and soils. Focused surveys for this species were negative. Not expected to occur in Project components lacking suitable habitat.

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<i>Calochortus dunnii</i>	Dunn's mariposa lily	None/CR/1B.2/ Covered	Closed-cone coniferous forest, chaparral, valley and foothill grassland; gabbroic or metavolcanic, rocky/perennial bulbiferous herb/(Feb) Apr–June/607–6004	X	X	X	X	X	X	L	L	L	L	L	X	X	Low potential to occur along the NCPW Pipeline and Miramar Wastewater Treatment Plant Improvements area; not observed during focused surveys. Not expected to occur in Project components below the species' known elevation range.
<i>Camissoniopsis lewisii</i>	Lewis' evening-primrose	None/None/3/ None	Coastal bluff scrub, cismontane woodland, coastal dunes, coastal scrub, valley and foothill grassland; sandy or clay/annual herb/Mar–May (June)/0–984	X	L	L	L	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable habitat. Species would have been observed during surveys if present.
<i>Carex obispoensis</i>	San Luis Obispo sedge	None/None/1B.2/ None	Closed-cone coniferous forest, chaparral, coastal prairie, coastal scrub, valley and foothill grassland; often serpentinite seeps, sometimes gabbro; often on clay soils/perennial rhizomatous herb/Apr–June/33–2690	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. Only four locations known from San Diego County at two localities Sycuan Ecological Reserve and McGinty Mountain Ecological Reserve.

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<i>Castilleja plagiotoma</i>	Mojave paintbrush	None/None/4.3/None	Great Basin scrub (alluvial), Joshua tree woodland, lower montane coniferous forest, pinyon and juniper woodland/perennial herb (hemiparasitic)/Apr–June/984–8202	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Caulanthus heterophyllus</i>	California mustard	None/None/None/Covered	Coastal scrub, chaparral; dry, open, generally after fire, disturbance/annual herb/Mar–May/0–4593	X	L	L	L	L	L	X	L	L	L	L	L	L	Low potential to occur in Project components with suitable habitat. Species would have been observed during surveys if present.
<i>Caulanthus simulans</i>	Payson's jewelflower	None/None/4.2/None	Chaparral, coastal scrub; sandy, granitic/annual herb/(Feb) Mar–May (June)/295–7218	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur within Project components with suitable habitat; however, focused surveys were negative. Not expected to occur in Project components lacking suitable habitat or outside of the species' known elevation range.

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<i>Ceanothus cyaneus</i>	Lakeside ceanothus	None/None/1B.2/ Covered	Closed-cone coniferous forest, chaparral/perennial evergreen shrub/Apr–June/771–2477	X	X	X	X	X	X	L	L	L	L	L	X	X	Low potential to occur in the Miramar Wastewater Treatment Plant Improvements project component. Not expected to occur in other Project components, which are outside of the species' known elevation range.
<i>Ceanothus otayensis</i>	Otay Mountain ceanothus	None/None/1B.2/ None	Chaparral (metavolcanic or gabbroic)/perennial evergreen shrub/Jan–Apr/1969–3609	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. The site is outside of the species' known elevation range.
<i>Ceanothus verrucosus</i>	wart-stemmed ceanothus	None/None/2B.2/ Covered	Chaparral/perennial evergreen shrub/Dec–May/3–1247	X	D	X	X	X	X	L	L	L	L	L	D	D	Observed within the buffer around the MBC ₂ <u>Morena Pipelines</u> , and along the LFG Pipeline. Low potential to occur in all other components with chaparral habitat where focused surveys were negative. Not expected to occur in Project components lacking chaparral.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Foremain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Centromadia parryi</i> ssp. <i>australis</i>	southern tarplant	None/None/1B.1/None	Marshes and swamps (margins), valley and foothill grassland (vernally mesic), vernal pools/annual herb/May–Nov/0–1575	X	L	L	L	L	L	L	L	L	L	L	X	L	Low potential to occur due to limited suitable vernal mesic habitat and because it was not observed during 2016 rare plant surveys. In addition, all occurrences of southern tarplant are north of the project site (CDFW 2016). Not expected to occur in Project components lacking suitable habitat.
<i>Centromadia pungens</i> ssp. <i>laevis</i>	smooth tarplant	None/None/1B.1/None	Chenopod scrub, meadows and seeps, playas, riparian woodland, valley and foothill grassland; alkaline/annual herb/Apr–Sep/0–2100	X	L	L	L	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation and soils. Focused surveys for this species were negative. Not expected to occur in Project components lacking suitable habitat.
<i>Chaenactis glabriuscula</i> var. <i>orcuttiana</i>	Orcutt's pincushion	None/None/1B.1/None	Coastal bluff scrub (sandy), coastal dunes/annual herb/Jan–Aug/0–328	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. No suitable vegetation present. This species generally occurs along the coast.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Chamaebatia australis</i>	southern mountain misery	None/None/4.2/None	Chaparral (gabbroic or metavolcanic)/perennial evergreen shrub/Nov–May/984–3346	X	X	X	X	X	X	L	L	L	L	L	X	X	Not expected to occur. The site is outside of the species' known elevation range.
<i>Chloropyron maritimum</i> ssp. <i>maritimum</i>	salt marsh bird's-beak	FE/CE/1B.2/Covered	Coastal dunes, marshes and swamps (coastal salt)/annual herb (hemiparasitic)/May–Oct/0–98	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. No suitable coastal dune or coastal salt marsh vegetation present.
<i>Chorizanthe leptotheca</i>	Peninsular spineflower	None/None/4.2/None	Chaparral, coastal scrub, lower montane coniferous forest; alluvial fan, granitic/annual herb/May–Aug/984–6234	X	X	X	X	X	X	L	L	L	L	L	X	X	Not expected to occur. The site is outside of the species' known elevation range.
<i>Chorizanthe orcuttiana</i>	Orcutt's spineflower	FE/CE/1B.1/None	Closed-cone coniferous forest, chaparral (maritime), coastal scrub; sandy openings/annual herb/Mar–May/10–410	X	L	X	X	X	X	L	L	L	L	L	L	L	Low potential to occur within Project components with chaparral and coastal sage scrub and sandy soils. However, focused surveys for this species were negative. Not expected to occur within Project components lacking suitable sandy habitat.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Chorizanthe polygonoides</i> var. <i>longispina</i>	long-spined spineflower	None/None/1B.2/None	Chaparral, coastal scrub, meadows and seeps, valley and foothill grassland, vernal pools; often clay/annual herb/Apr–July/98–5020	X	L	L	L	L	L	L	L	L	L	L	D	D	Observed within the buffer around the Metro Biosolids Center and along the LFG Pipeline. Low potential to occur in all other components that have chaparral, coastal scrub, grassland, or vernal pools with clay soils. Not expected to occur in Project components that lack such suitable habitat.
<i>Cistanthe maritima</i>	seaside cistanthe	None/None/4.2/None	Coastal bluff scrub, coastal scrub, valley and foothill grassland; sandy/annual herb/(Feb) Mar–June (Aug)/16–984	X	L	X	X	X	X	L	L	L	L	L	X	X	Low potential to occur along the Morena Pipelines, which as suitable sandy coastal scrub, but focused surveys were negative. Not expected to occur in other Project components that are farther from the coast since this species is known to occur at locales with moist sea breezes (Reiser 2001).

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Foremain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Clarkia delicata</i>	delicate clarkia	None/None/1B.2/None	Chaparral, cismontane woodland; often gabbroic/annual herb/Apr–June/771–3281	X	X	X	X	X	X	L	L	D	D	L	X	X	Observed within the buffer of the In-Reservoir Alternative Terminus and Marina Alternative Terminus. Low potential to occur within other Project components with suitable habitat; however, focused surveys for this species were negative. Not expected to occur in remaining Project components below the species' known elevation range.
<i>Clinopodium chandleri</i>	San Miguel savory	None/None/1B.2/Covered	Chaparral, cismontane woodland, coastal scrub, riparian woodland, valley and foothill grassland; rocky, gabbroic, or metavolcanic/perennial shrub/Mar–July/394–3527	X	L	L	L	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components that contain suitable habitat within the correct elevation range due to negative focused surveys due to limited suitable habitat and not observed during 2016 rare plant surveys. Not expected to occur in Project components that lack suitable habitat and/or that are outside the known elevation range for this species.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Foremain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Comarostaphylis diversifolia</i> ssp. <i>diversifolia</i>	summer holly	None/None/1B.2/None	Chaparral, cismontane woodland/perennial evergreen shrub/Apr–June/98–2592	X	L	X	X	X	X	L	L	L	L	L	L	D	Observed along the LFG Pipeline. Low potential to occur in most Project components with chaparral or oak woodland because this shrub would have been observed during if present. Not expected to occur in components without suitable chaparral or oak woodland habitat.
<i>Convolvulus simulans</i>	small-flowered morning-glory	None/None/4.2/None	Chaparral (openings), coastal scrub, valley and foothill grassland; clay, serpentinite seeps/annual herb/Mar–July/98–2297	X	L	L	L	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation and soils. Focused surveys for this species were negative. Not expected to occur in Project components lacking suitable habitat.
<i>Cordylanthus rigidus</i> ssp. <i>brevibracteatus</i>	short-bracted bird's-beak	None/None/4.3/None	Chaparral, lower montane coniferous forest, pinyon and juniper woodland, upper montane coniferous forest; openings, granitic/annual herb (hemiparasitic)/July–Aug (Oct)/2001–8497	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. The site is outside of the species' known elevation range.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Corethrogyne filaginifolia</i> var. <i>incana</i>	San Diego sand aster	None/None/1B.1/None	Coastal bluff scrub, chaparral, coastal scrub/perennial herb/June–Sep/10–377	X	L	L	X	L	L	L	L	X	L	X	L	L	Low potential to occur in Project components with suitable vegetation and soils and within the elevation range of this species. Focused surveys for this species were negative. Not expected to occur in Project components lacking suitable habitat and/or outside the known elevation range for this species.
<i>Corethrogyne filaginifolia</i> var. <i>linifolia</i>	Del Mar Mesa sand aster	None/None/1B.1/Covered	Coastal bluff scrub, chaparral (maritime, openings), coastal scrub; sandy/perennial herb/May–Sep/49–492	X	L	X	X	L	L	L	L	L	L	L	L	L	Low potential to occur. Coastal sage scrub present in many components, but Del Mar Mesa sand aster occurrences are all north of the proposed project and focused surveys were negative.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline–Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Cryptantha wigginsii</i>	Wiggins' cryptantha	None/None/1B.2/None	Coastal scrub; often clay/annual herb/Feb–June/66–902	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation and soils. Focused surveys for this species were negative. Not expected to occur in Project components lacking suitable habitat.
<i>Cylindropuntia californica</i> var. <i>californica</i>	snake cholla	None/None/1B.1/Covered, Narrow Endemic	Chaparral, coastal scrub/perennial stem succulent/Apr–May/98–492	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable chaparral and/or coastal scrub. Perennial succulent would have been observed during surveys if present.
<i>Deinandra conjugens</i>	Otay tarplant	FT/CE/1B.1/Covered, Narrow Endemic	Coastal scrub, valley and foothill grassland; clay/annual herb/May–June/82–984	X	L	L	L	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation and soils. Focused surveys for this species were negative. Not expected to occur in Project components lacking suitable habitat.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Deinandra floribunda</i>	Tecate tarplant	None/None/1B.2/None	Chaparral, coastal scrub/annual herb/Aug–Oct/230–4003	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur within Project components with suitable habitat; however, focused surveys were negative. Not expected to occur in Project components lacking suitable habitat or outside of the species' known elevation range.
<i>Deinandra paniculata</i>	paniculate tarplant	None/None/4.2/None	Coastal scrub, valley and foothill grassland, vernal pools; usually vernal mesic, sometimes sandy/annual herb/Apr–Nov/82–3084	X	L	L	L	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation and soils. Focused surveys for this species were negative. Not expected to occur in Project components lacking suitable habitat.
<i>Dichondra occidentalis</i>	western dichondra	None/None/4.2/Narrow Endemic	Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland/perennial rhizomatous herb/(Jan) Mar–July/164–1640	X	L	L	L	L	L	L	L	L	L	L	L	L	Low potential to occur in most Project components due to negative focused surveys. Not expected to occur in Project components lacking suitable habitat.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline–Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Dicranostegia orcuttiana</i>	Orcutt's bird's-beak	None/None/2B.1/Covered	Coastal scrub/annual herb (hemiparasitic)/(Mar) Apr–July (Sep)/33–1148	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable coastal scrub. Focused surveys for this species were negative. Not expected to occur in Project components lacking suitable coastal scrub.
<i>Dudleya blochmaniae</i> ssp. <i>blochmaniae</i>	Blochman's dudleya	None/None/1B.1/None	Coastal bluff scrub, chaparral, coastal scrub, valley and foothill grassland; rocky, often clay or serpentinite/perennial herb/Apr–June/16–1476	X	L	L	L	L	L	L	L	L	L	L	L	L	Low potential to occur within components with suitable habitat. Species would have been observed during surveys if present. Not expected to occur in Project components with no suitable habitat.
<i>Dudleya brevifolia</i>	short-leaved dudleya	None/CE/1B.1/Covered, Narrow Endemic	Chaparral (maritime, openings), coastal scrub; Torrey sandstone/perennial herb/Apr–May/98–820	X	X	X	X	X	X	L	L	L	L	L	X	X	Not expected to occur. No Torrey sandstone soils within the proposed project.
<i>Dudleya variegata</i>	variegated dudleya	None/None/1B.2/Covered, Narrow Endemic	Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland, vernal pools; clay/perennial herb/Apr–June/10–1903	X	L	L	L	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation and soils. Focused surveys for this species were negative. Not expected to occur in Project components lacking suitable habitat.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Dudleya viscida</i>	sticky dudleya	None/None/1B.2/ Covered	Coastal bluff scrub, chaparral, cismontane woodland, coastal scrub; rocky/perennial herb/May–June/33–1804	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur within components with suitable habitat. Species would have been observed during surveys if present. Not expected to occur in Project components with no suitable habitat.
<i>Ericameria palmeri</i> var. <i>palmeri</i>	Palmer's goldenbush	None/None/1B.1/ Covered	Chaparral, coastal scrub; mesic/perennial evergreen shrub/(July) Sep–Nov/98–1969	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur within components with suitable habitat. Species would have been observed during surveys if present. Not expected to occur in Project components with no suitable habitat.
<i>Eriogonum evanidum</i>	vanishing wild buckwheat	None/None/1B.1/ None	Chaparral, cismontane woodland, lower montane coniferous forest, pinyon and juniper woodland; sandy or gravelly/annual herb/July–Oct/3609–7300	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. The site is outside of the species' known elevation range.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Eryngium aristulatum</i> var. <i>parishii</i>	San Diego button-celery	FE/CE/1B.1/ Covered	Coastal scrub, valley and foothill grassland, vernal pools; mesic/annual / perennial herb/Apr–June/66–2034	X	L	L	L	L	L	L	X	X	X	X	L	L	Low potential to occur in Project components with suitable vegetation and soils. Focused surveys for this species were negative. Not expected to occur in Project components lacking suitable habitat.
<i>Erysimum ammophilum</i>	sand-loving wallflower	None/None/1B.2/ Covered	Chaparral (maritime), coastal dunes, coastal scrub; sandy, openings/perennial herb/Feb–June/0–197	X	L	X	X	X	X	L	L	L	L	L	X	X	Low potential to occur along the Morena Pipelines due to suitable sandy chaparral and coastal scrub, but lack of observations during focused surveys. Not expected to occur at the Morena Pump Station due to lack of suitable habitat. Not expected to occur in the remaining Project components because they are above the species' known elevation range.
<i>Euphorbia abramsiana</i>	Abrams' spurge	None/None/2B.2/ None	Mojavean desert scrub, Sonoran desert scrub; sandy/annual herb/Aug–Nov/-16–3002	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. No suitable desert scrub vegetation present.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Euphorbia misera</i>	cliff spurge	None/None/2B.2/None	Coastal bluff scrub, coastal scrub, Mojavean desert scrub; rocky/perennial shrub/Dec–Aug (Oct)/33–1640	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation and soils. Perennial shrub would likely have been observed if present. Not expected to occur in Project components lacking suitable habitat.
<i>Ferocactus viridescens</i>	San Diego barrel cactus	None/None/2B.1/Covered	Chaparral, coastal scrub, valley and foothill grassland, vernal pools/perennial stem succulent/May–June/10–1476	X	L	L	L	L	L	L	D	L	L	L	L	L	Observed along the San Vicente Pipeline. Low potential to occur in all other components due to lack of observations during focused surveys or not expected to occur due to lack of suitable habitat.
<i>Frankenia palmeri</i>	Palmer's frankenia	None/None/2B.1/None	Coastal dunes, marshes and swamps (coastal salt), playas/perennial herb/May–July/0–33	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. No suitable vegetation present.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Fraxinus parryi</i>	chaparral ash	None/None/2B.2/None	Chaparral/perennial shrub/Mar–May/699–2034	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur within Project components with suitable chaparral vegetation; however, focused surveys were negative. Not expected to occur in Project components lacking suitable habitat or outside of the species' known elevation range.
<i>Fremontodendron mexicanum</i>	Mexican flannelbush	FE/CR/1B.1/None	Closed-cone coniferous forest, chaparral, cismontane woodland; gabbroic, metavolcanic, or serpentinite/perennial evergreen shrub/Mar–June/33–2349	X	L	X	X	X	X	L	L	L	L	L	L	L	Low potential to occur within components that have chaparral vegetation. Not expected to occur in remaining Project components. No suitable vegetation present.
<i>Galium proliferum</i>	desert bedstraw	None/None/2B.2/None	Joshua tree woodland, Mojavean desert scrub, pinyon and juniper woodland; rocky, carbonate/annual herb/Mar–June/3904–5348	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Geothallus tuberosus</i>	Campbell's liverwort	None/None/1B.1/None	Coastal scrub (mesic), vernal pools; soil/ephemeral liverwort/N.A./33–1969	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable coastal scrub or vernal pools. Focused surveys were negative for this species. Not expected to occur in Project components lacking suitable habitat.
<i>Githopsis diffusa</i> ssp. <i>filicaulis</i>	Mission Canyon bluecup	None/None/3.1/None	Chaparral (mesic, disturbed areas)/annual herb/Apr–June/1476–2297	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. The site is outside of the species' known elevation range.
<i>Grindelia hallii</i>	San Diego gumplant	None/None/1B.2/None	Chaparral, lower montane coniferous forest, meadows and seeps, valley and foothill grassland/perennial herb/May–Oct/607–5725	X	X	X	X	X	X	L	L	L	L	L	X	X	Low potential to occur along the NCPW Pipeline and within the Miramar Wastewater Treatment Plant Improvements where there is suitable chaparral or grassland habitat; however, focused surveys for this species were negative. Not expected to occur in the remaining Project components because they are below the species' known elevation range.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Harpagonella palmeri</i>	Palmer's grapplinghook	None/None/4.2/None	Chaparral, coastal scrub, valley and foothill grassland; clay/annual herb/Mar–May/66–3133	X	L	L	L	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation and soils. Focused surveys for this species were negative. Not expected to occur in Project components lacking suitable habitat.
<i>Hazardia orcuttii</i>	Orcutt's hazardia	FC/CT/1B.1/None	Chaparral (maritime), coastal scrub; often clay/perennial evergreen shrub/Aug–Oct/262–279	X	L	X	X	X	X	L	L	L	L	L	X	L	Low potential to occur along the Morena Pipelines and LFG Pipeline due to suitable sandy chaparral and coastal scrub, but lack of observations during focused surveys. Not expected to occur in the remaining Project components because they are outside the species' known elevation range.
<i>Hesperocyparis forbesii</i>	Tecate cypress	None/None/1B.1/Covered	Closed-cone coniferous forest, chaparral; clay, gabbroic or metavolcanic/perennial evergreen tree/N.A./262–4921	X	X	X	X	X	X	L	L	L	L	L	X	X	Not expected to occur. Perennial tree would have been observed during surveys if present.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline–Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Heterotheca sessiliflora</i> ssp. <i>sessiliflora</i>	beach goldenaster	None/None/1B.1/None	Chaparral (coastal), coastal dunes, coastal scrub/perennial herb/Mar–Dec/0–4019	X	L	X	X	X	X	L	L	L	L	L	X	X	Low potential to occur along the Morena Pipelines due to lack of observations during focused surveys. Not expected to occur within Project components farther from the coast.
<i>Holocarpha virgata</i> ssp. <i>elongata</i>	graceful tarplant	None/None/4.2/None	Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland/annual herb/May–Nov/197–3609	X	L	D	L	D	L	L	L	L	L	L	D	D	Observed within the buffer around the NCWRP, North City Pure Water Facility, MBC, and the LFG Pipeline. Low potential to occur in other Project components due to negative focused surveys. Not expected to occur in Project components that lack suitable habitat.
<i>Hordeum intercedens</i>	vernal barley	None/None/3.2/None	Coastal dunes, coastal scrub, valley and foothill grassland (saline flats and depressions), vernal pools/annual herb/Mar–June/16–3281	X	L	L	L	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation. Focused surveys for this species were negative. Not expected to occur in Project components lacking suitable habitat.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Foremain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline – In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline – Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Horkelia truncata</i>	Ramona horkelia	None/None/1B.3/None	Chaparral, cismontane woodland; clay, gabbroic/perennial herb/May–June/1312–4265	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. The site is outside of the species' known elevation range.
<i>Isocoma menziesii</i> var. <i>decumbens</i>	decumbent goldenbush	None/None/1B.2/None	Chaparral, coastal scrub (sandy, often in disturbed areas)/perennial shrub/Apr–Nov/33–443	X	L	L	X	L	L	L	L	L	L	L	D	L	Observed within the buffer around the MBC. Low potential to occur in all other components. Perennial shrub would likely have been observed during surveys if present. Not expected to occur in Project components lacking suitable habitat.
<i>Iva hayesiana</i>	San Diego marsh-elder	None/None/2B.2/None	Marshes and swamps, playas/perennial herb/Apr–Oct/33–1640	X	L	X	X	X	X	L	L	L	L	L	X	L	Observed within the buffer around the Morena Pipelines. Low potential to occur within Project components with suitable freshwater marsh habitat where this perennial herb would likely have been observed during surveys if present. Although a portion of the NCPW Pipeline contains areas of freshwater marsh that were not surveyed, the area is

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
																	surrounded by development. Not expected to occur with the other components.
<i>Juglans californica</i>	Southern California black walnut	None/None/4.2/None	Chaparral, cismontane woodland, coastal scrub; alluvial/perennial deciduous tree/Mar–Aug/164–2953	X	L	X	X	X	X	D	L	L	L	L	X	X	Observed within the San Vicente Pipeline 100-foot buffer, 6 individuals observed adjacent to West Hills Pkwy. Not expected to occur in other Project components except the Morena Pipelines where comprehensive surveys were done. Perennial tree would have been observed during surveys if present.
<i>Juncus acutus</i> ssp. <i>leopoldii</i>	southwestern spiny rush	None/None/4.2/None	Coastal dunes (mesic), meadows and seeps (alkaline seeps), marshes and swamps (coastal salt)/perennial rhizomatous herb/(Mar) May–June/10–2953	X D	X	X	X	X	X	X	X	X	X	X	X	X	Observed within the San Diego River floodplain south of the Morena Pump Station. Not expected to occur. This conspicuous perennial species would have been observed during surveys if present.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forceman and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields	None/None/1B.1/None	Marshes and swamps (coastal salt), playas, vernal pools/annual herb/Feb–June/3–4003	X	X	X	X	L	X	L	L	L	L	L	X	L	Low potential to occur within vernal pools on site; focused surveys were negative. Not expected to occur in Project components without vernal pools.
<i>Lathyrus splendens</i>	pride-of-California	None/None/4.3/None	Chaparral/perennial herb/Mar–June/656–5003	X	X	X	X	X	X	L	L	L	L	L	L	L	Low potential to occur within Project components with suitable chaparral vegetation; however, focused surveys were negative. Not expected to occur in Project components lacking suitable habitat or outside of the species' known elevation range.
<i>Lepechinia cardiophylla</i>	heart-leaved pitcher sage	None/None/1B.2/Covered	Closed-cone coniferous forest, chaparral, cismontane woodland/perennial shrub/Apr–July/1706–4495	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. The site is outside of the species' known elevation range.
<i>Lepechinia ganderi</i>	Gander's pitcher sage	None/None/1B.3/Covered	Closed-cone coniferous forest, chaparral, coastal scrub, valley and foothill grassland; gabbroic or metavolcanic/perennial shrub/June–July/1001–3297	X	X	X	X	X	X	L	L	L	L	L	X	X	Not expected to occur. The site is outside of the species' known elevation range.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's pepper-grass	None/None/4.3/None	Chaparral, coastal scrub/annual herb/Jan–July/3–2904	X	L	L	X	L	L	D	D	L	D	L	D	D	Observed within the buffer around the San Vicente Pipeline, Marina Alternative Terminus, Tunnel Alternative Terminus, MBC, and LFG Pipeline. Low potential to occur in other Project components due to lack of observations during focused surveys. Not expected to occur in Project components lacking suitable habitat.
<i>Leptosiphon grandiflorus</i>	large-flowered leptosiphon	None/None/4.2/None	Coastal bluff scrub, closed-cone coniferous forest, cismontane woodland, coastal dunes, coastal prairie, coastal scrub, valley and foothill grassland; usually sandy/annual herb/Apr–Aug/16–4003	X	L	X	X	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation and soils; focused surveys were negative. Not expected to occur in Project components lacking suitable vegetation and sandy soils.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Foremain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline – In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline – Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Leptosyne maritima</i>	sea dahlia	None/None/2B.2/None	Coastal bluff scrub, coastal scrub/perennial herb/Mar–May/16–492	X	X	X	X	X	X	L	L	L	L	L	X	X	Not expected to occur. Species prefers sandstone cliffs near the ocean, which do not occur within the project site and focused surveys were negative for this species.
<i>Lycium californicum</i>	California box-thorn	None/None/4.2/None	Coastal bluff scrub, coastal scrub/perennial shrub/(Dec) Mar–Aug/16–492	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur. Perennial shrub would have been observed during surveys if present. Not expected to occur within Project components lacking suitable habitat.
<i>Microseris douglasii</i> ssp. <i>platycarpha</i>	small-flowered microseris	None/None/4.2/None	Cismontane woodland, coastal scrub, valley and foothill grassland, vernal pools; clay/annual herb/Mar–May/49–3510	X	L	L	L	L	L	L	L	L	L	L	L	LD	Observed along the LFG Pipeline. Low potential to occur in Project components with suitable vegetation and soils; focused surveys were negative. Not expected to occur in Project components lacking suitable vegetation and sandy soils.
<i>Mimulus aurantiacus</i> var. <i>aridus</i>	low bush monkeyflower	None/None/4.3/None	Chaparral (rocky), Sonoran desert scrub/perennial evergreen shrub/Apr–July/2461–3937	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. The site is outside of the species' known elevation range.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Mimulus clevelandii</i>	Cleveland's bush monkeyflower	None/None/4.2/ Covered	Chaparral, cismontane woodland, lower montane coniferous forest; gabbroic, often in disturbed areas, openings, rocky/perennial rhizomatous herb/Apr–July/1476–6562	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. The site is outside of the species' known elevation range.
<i>Mimulus diffusus</i>	Palomar monkeyflower	None/None/4.3/ None	Chaparral, lower montane coniferous forest; sandy or gravelly/annual herb/Apr–June/4003–6004	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. The site is outside of the species' known elevation range.
<i>Mobergia calculiformis</i>	light gray lichen	None/None/3/ None	Coastal scrub (?); on rocks/crustose lichen (saxicolous)/N.A./33–33	X	L	X	X	X	X	L	L	L	L	L	X	X	Low potential to occur along the Morena Pipelines. There is only one historical occurrence within the City of San Diego immediately south of Balboa Park (Consortium of North American Lichen Herbaria). The project site is approximately 4 miles north of Balboa Park. Not expected to occur in other Project components due to lack of suitable coastal scrub habitat and/or elevations above the species' known elevation range.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline–Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Monardella hypoleuca</i> ssp. <i>lanata</i>	felt-leaved monardella	None/None/1B.2/ Covered	Chaparral, cismontane woodland/perennial rhizomatous herb/June–Aug/984–5167	X	X	X	X	X	X	L	L	L	L	L	X	X	Not expected to occur. The site is outside of the species' known elevation range.
<i>Monardella viminea</i>	willowy monardella	FE/CE/1B.1/ Covered	Chaparral, coastal scrub, riparian forest, riparian scrub, riparian woodland; alluvial ephemeral washes/perennial herb/June–Aug/164–738	X	X	X	X	X	X	L	L	L	L	L	X	X	Not expected to occur. No suitable alluvial ephemeral washes present.
<i>Mucronea californica</i>	California spineflower	None/None/4.2/ None	Chaparral, cismontane woodland, coastal dunes, coastal scrub, valley and foothill grassland; sandy/annual herb/Mar–July (Aug)/0–4593	X	L	X	L	X	X	L	L	L	L	L	X	X	Low potential to occur along the Morena Pipelines due to suitable vegetation and sandy soils. However, this species was not observed during focused surveys. Not expected to occur in Project components lacking suitable habitat, including sandy soils.
<i>Myosurus minimus</i> ssp. <i>apus</i>	little mousetail	None/None/3.1/ None	Valley and foothill grassland, vernal pools (alkaline)/annual herb/Mar–June/66–2100	X	X	L	L	L	L	L	X	X	X	X	L	L	Low potential to occur in the project site due to limited suitable habitat and not observed during 2016 rare plant surveys. Historical occurrences are known from three localities, San Onofre, Camp Pendleton and Otay Mesa. Not expected to occur within Project

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline–Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
																	components lacking suitable vegetation.
<i>Nama stenocarpa</i>	mud nama	None/None/2B.2/None	Marshes and swamps (lake margins, riverbanks)/annual / perennial herb/Jan–July/16–1640	X	L	X	X	X	X	L	L	L	L	L	X	L	Low potential to occur in Project components with marshes and/or riverbanks with suitable habitat. Not expected to occur in Project components lacking suitable habitat.
<i>Navarretia fossalis</i>	spreading navarretia	FT/None/1B.1/Covered, Narrow Endemic	Chenopod scrub, marshes and swamps (assorted shallow freshwater), playas, vernal pools/annual herb/Apr–June/98–2149	X	L	X	X	L	L	L	X	X	X	L	X	L	Low potential to occur in Project components with suitable vegetation and clay soils. Closest occurrence is within the MCAS Miramar, east of the Miramar Landfill and north SR-52. Not expected to occur within Project components lacking suitable habitat.
<i>Navarretia prostrata</i>	prostrate vernal pool navarretia	None/None/1B.1/None	Coastal scrub, meadows and seeps, valley and foothill grassland (alkaline), vernal pools; mesic/annual herb/Apr–July/10–3970	X	L	L	L	L	L	L	X	X	X	L	L	L	Low potential to occur. Species would have been observed during surveys if present. Historical occurrences are known from Kearny Mesa off of Kearny Villa Road but not with

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline–Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
																	the project site. Not expected to occur within Project components lacking suitable vegetation.
<i>Nemacaulis denudata</i> var. <i>denudata</i>	coast woolly-heads	None/None/1B.2/None	Coastal dunes/annual herb/Apr–Sep/0–328	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. No suitable coastal dune habitat present.
<i>Nemacaulis denudata</i> var. <i>gracilis</i>	slender cottonheads	None/None/2B.2/None	Coastal dunes, desert dunes, Sonoran desert scrub/annual herb/(Mar) Apr–May/164–1312	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. No suitable vegetation present.
<i>Nolina interrata</i>	Dehesa nolina	None/CE/1B.1/Covered	Chaparral (gabbroic, metavolcanic, or serpentinite)/perennial herb/June–July/607–2805	X	X	X	X	X	X	L	L	L	L	L	X	X	Not expected to occur. Limited suitable gabbroic, metavolcanic, or serpentinite chaparral present and this perennial herb would have been observed during surveys if present.
<i>Ophioglossum californicum</i>	California adder's-tongue	None/None/4.2/None	Chaparral, valley and foothill grassland, vernal pools (margins); mesic/perennial rhizomatous herb/(Dec) Jan–June/197–1722	X	X	L	L	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation. Focused surveys for this species were negative. Not expected to occur within Project components lacking suitable habitat.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Orcuttia californica</i>	California Orcutt grass	FE/CE/1B.1/ Covered, Narrow Endemic	Vernal pools/annual herb/Apr–Aug/49–2165	X	X	X	X	L	X	L	L	L	L	L	X	L	Low potential to occur at the North City Pure Water Facility and along the LFG Pipeline where vernal pools are present, but the species was not observed during focused surveys. Not expected to occur within Project components lacking suitable vernal pool habitat.
<i>Orobanche parishii</i> ssp. <i>brachyloba</i>	short-lobed broomrape	None/None/4.2/ None	Coastal bluff scrub, coastal dunes, coastal scrub; sandy/perennial herb (parasitic)/Apr–Oct/10–1001	X	L	X	X	X	X	L	L	L	L	L	X	X	Low potential to occur along the Morena Pipelines due to suitable vegetation and sandy soils. However, this species was not observed during focused surveys. Not expected to occur in Project components lacking suitable habitat, including sandy soils.
<i>Packera ganderi</i>	Gander's ragwort	None/CR/1B.2/ Covered	Chaparral (burns, gabbroic outcrops)/perennial herb/Apr–June/1312–3937	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. The site is outside of the species' known elevation range.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Pentachaeta aurea</i> ssp. <i>aurea</i>	golden-rayed pentachaeta	None/None/4.2/None	Chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, riparian woodland, valley and foothill grassland/annual herb/Mar–July/262–6070	X	L	L	L	L	L	L	L	L	L	L	L	D	Observed along the LFG Pipeline. Low potential to occur in all other components with negative survey results. Not expected to occur in Project components lacking suitable habitat.
<i>Phacelia ramosissima</i> var. <i>australitoralis</i>	south coast branching phacelia	None/None/3.2/None	Chaparral, coastal dunes, coastal scrub, marshes and swamps (coastal salt); sandy, sometimes rocky/perennial herb/Mar–Aug/16–984	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation. Focused surveys for this species were negative. Not expected to occur within Project components lacking suitable habitat.
<i>Phacelia stellaris</i>	Brand's star phacelia	FC/None/1B.1/None	Coastal dunes, coastal scrub/annual herb/Mar–June/3–1312	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation. Focused surveys for this species were negative. Not expected to occur within Project components lacking suitable habitat.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline–Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Pickeringia montana</i> var. <i>tomentosa</i>	woolly chaparral-pea	None/None/4.3/None	Chaparral; gabbroic, granitic, clay/evergreen shrub/May–Aug/0–5577	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur within Project components with suitable chaparral vegetation; however, focused surveys were negative. Not expected to occur in Project components lacking suitable habitat.
<i>Pinus torreyana</i> ssp. <i>torreyana</i>	Torrey pine	None/None/1B.2/Covered	Closed-cone coniferous forest, chaparral; sandstone/perennial evergreen tree/N.A./246–525	X	X	X	X	X	X	L	L	L	L	L	X	X	<u>Not expected to occur. Perennial tree would have been observed during surveys if present. Torrey pines were observed within the San Vicente Reservoir study area; however, trees were planted and not native occurrences.</u>
<i>Piperia cooperi</i>	chaparral rein orchid	None/None/4.2/None	Chaparral, cismontane woodland, valley and foothill grassland/perennial herb/Mar–June/49–5200	X	L	L	L	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation. Focused surveys for this species were negative. Not expected to occur within Project components lacking suitable habitat.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Pogogyne abramsii</i>	San Diego mesa mint	FE/CE/1B.1/ Covered, Narrow Endemic	Vernal pools/annual herb/Mar–July/295–656	X	X	X	X	L	X	L	L	L	L	L	X	L	Low potential to occur at the North City Pure Water Facility and along the LFG Pipeline where vernal pools are present, but the species was not observed during focused surveys. Not expected to occur within Project components lacking suitable vernal pool habitat.
<i>Pogogyne nudiuscula</i>	Otay Mesa mint	FE/CE/1B.1/ Covered, Narrow Endemic	Vernal pools/annual herb/May–July/295–820	X	X	X	X	L	X	L	X	X	X	X	X	L	Low potential to occur at the North City Pure Water Facility and along the LFG Pipeline where vernal pools are present, but the species was not observed during focused surveys. Not expected to occur within Project components lacking suitable vernal pool habitat.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Polygala cornuta</i> var. <i>fishiae</i>	Fish's milkwort	None/None/4.3/None	Chaparral, cismontane woodland, riparian woodland/perennial deciduous shrub/May–Aug/328–3281	X	L	X	X	X	X	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable habitat, but this perennial deciduous shrub would likely have been observed during surveys if present. Not expected to occur in Project components lacking suitable habitat or outside the species' known elevation range.'
<i>Pseudognaphalium leucocephalum</i>	white rabbit-tobacco	None/None/2B.2/None	Chaparral, cismontane woodland, coastal scrub, riparian woodland; sandy, gravelly/perennial herb/(July) Aug–Nov (Dec)/0–6890	X	L	L	X	L	L	D	L	D	D	L	L	L	Observed within the 100-foot buffer around the San Vicente Pipeline, 1 individual was observed south of San Vicente Reservoir (within buffer of San Vicente Pipeline-In-Reservoir Alternative Terminus), and also within Marina Alternative Terminus buffer. Low potential to occur in Project components with suitable vegetation. Focused surveys for this species were negative. Not expected to

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
																	occur within Project components lacking suitable habitat.
<i>Quercus cedrosensis</i>	Cedros Island oak	None/None/2B.2/None	Closed-cone coniferous forest, chaparral, coastal scrub/perennial evergreen tree/Apr–May/837–3150	X	X	X	X	X	X	L	L	L	L	L	X	X	Not expected to occur. The site is outside of the species' known elevation range.
<i>Quercus dumosa</i>	Nuttall's scrub oak	None/None/1B.1/None	Closed-cone coniferous forest, chaparral, coastal scrub; sandy, clay loam/perennial evergreen shrub/Feb–Apr (Aug)/49–1312	X	L	LD	X	L	L	L	L	L	L	L	D	LD	Observed within the buffer around the MBC, NCWRP, and the LFG Pipeline. Low potential to occur in all other components because this evergreen shrub would likely have been observed during surveys if present. Not expected to occur within Project components lacking suitable habitat.
<i>Quercus engelmannii</i>	Engelmann oak	None/None/4.2/None	Chaparral, cismontane woodland, riparian woodland, valley and foothill grassland/perennial deciduous tree/Mar–June/164–4265	X	X	X	X	X	X	L	L	L	L	L	X	X	Not expected to occur. Perennial tree would have been observed during surveys if present.
<i>Ribes canthariforme</i>	Moreno currant	None/None/1B.3/None	Chaparral, riparian scrub/perennial deciduous shrub/Feb–Apr/1115–3937	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. The site is outside of the species' known elevation range.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Romneya coulteri</i>	Coulter's matilija poppy	None/None/4.2/None	Chaparral, coastal scrub; often in burns/perennial rhizomatous herb/Mar–July/66–3937	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur within Project components with suitable habitat; however, focused surveys were negative. Not expected to occur in Project components lacking suitable habitat.
<i>Rosa minutifolia</i>	small-leaved rose	None/CE/2B.1/Covered	Chaparral, coastal scrub/perennial deciduous shrub/Jan–June/492–525	X	X	X	X	X	X	L	L	L	L	L	X	X	Low potential to occur in components at higher elevation with suitable chaparral or coastal scrub habitat. However, perennial shrub would likely have been observed during surveys if present. Not expected to occur in Project components below the species' known elevation range.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Salvia munzii</i>	Munz's sage	None/None/2B.2/None	Chaparral, coastal scrub/perennial evergreen shrub/Feb–Apr/377–3494	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur in most Project components because this shrub would likely have been observed during surveys if present. Not expected to occur within Project components lacking suitable habitat.
<i>Selaginella cinerascens</i>	ashy spike-moss	None/None/4.1/Covered	Chaparral, coastal scrub/perennial rhizomatous herb/N.A./66–2100	X	L	D	X	<u>L</u>	L	D	L	L	D	L	D	D	Observed within the buffer around the NCPWF, San Vicente Pipeline, Marina Alternative Terminus, MBC and NCWRP, and the LFG Pipeline. Low potential to occur in all other components due to lack of observations during focused surveys. Not expected to occur within Project components lacking suitable vegetation.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Senecio aphanactis</i>	chaparral ragwort	None/None/2B.2/None	Chaparral, cismontane woodland, coastal scrub; sometimes alkaline/annual herb/Jan–Apr/49–2625	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation and soils; focused surveys were negative. Not expected to occur in Project components lacking suitable vegetation and sandy soils.
<i>Sibaropsis hammittii</i>	Hammitt's clay-cress	None/None/1B.2/None	Chaparral (openings), valley and foothill grassland; clay/annual herb/Mar–Apr/2362–3494	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. The site is outside of the species' known elevation range.
<i>Solanum xanti</i>	Purple nightshade	None/None/None/Covered	Coastal scrub, chaparral, cismontane woodland, lower montane coniferous forest/perennial herb / perennial shrub/June–July/0–8858	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur in Project components with suitable vegetation and soils; focused surveys were negative. Not expected to occur in Project components lacking suitable vegetation and sandy soils.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Sphaerocarpos drewei</i>	bottle liverwort	None/None/1B.1/None	Chaparral, coastal scrub; openings, soil/ephemeral liverwort/N.A./295–1969	X	L	L	X	L	L	X	X	X	X	X	L	L	Low potential to occur in Project components with suitable vegetation and soils within the elevation range of the species; focused surveys were negative. Not expected to occur in Project components lacking suitable vegetation and sandy soils.
<i>Stemodia durantifolia</i>	purple stemodia	None/None/2B.1/None	Sonoran desert scrub (often mesic, sandy)/perennial herb/Jan–Dec/591–984	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. No suitable desert scrub habitat present.
<i>Stipa diegoensis</i>	San Diego County needle grass	None/None/4.2/None	Chaparral, coastal scrub; rocky, often mesic/perennial herb/Feb–June/33–2625	X	L	L	X	L	L	L	L	L	L	L	L	L	Low potential to occur. Species would have been observed during surveys if present. Not expected to occur in Project components lacking suitable vegetation.
<i>Streptanthus bernardinus</i>	Laguna Mountains jewelflower	None/None/4.3/None	Chaparral, lower montane coniferous forest/perennial herb/May–Aug/2198–8202	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. The site is outside of the species' known elevation range.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Stylocline citroleum</i>	oil neststraw	None/None/1B.1/None	Chenopod scrub, coastal scrub, valley and foothill grassland; clay/annual herb/Mar–Apr/164–1312	X	L	L	L	L	L	X	X	X	X	X	L	L	Low potential to occur. Species would have been observed during surveys if present. Not expected to occur in Project components lacking suitable vegetation.
<i>Suaeda esteroa</i>	estuary seablite	None/None/1B.2/None	Marshes and swamps (coastal salt)/perennial herb/May–Oct (Jan)/0–16	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. No suitable coastal salt marsh present.
<i>Suaeda taxifolia</i>	woolly seablite	None/None/4.2/None	Coastal bluff scrub, coastal dunes, marshes and swamps (margins of coastal salt)/perennial evergreen shrub/Jan–Dec/0–164	X	X	X	X	X	X	X	X	X	X	X	X	X	Not expected to occur. No suitable coastal habitat present.
<i>Tetradococcus dioicus</i>	Parry's tetradococcus	None/None/1B.2/Covered	Chaparral, coastal scrub/perennial deciduous shrub/Apr–May/541–3281	X	X	X	X	X	X	L	L	L	L	L	X	X	Low potential to occur in components at higher elevation with suitable chaparral or coastal scrub habitat. However, perennial shrub would likely have been observed during surveys if present. Not expected to occur in Project components below the species' known elevation range.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Forcemain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Texosporium sancti-jacobi</i>	woven-spored lichen	None/None/3/None	Chaparral (openings); on soil, small mammal pellets, dead twigs, and on Selaginella spp./crustose lichen (terricolous)/N.A./951–2165	X	X	X	X	X	X	L	L	L	L	L	X	X	Not expected to occur. The site is outside of the species' known elevation range.
<i>Triquetrella californica</i>	coastal triquetrella	None/None/1B.2/None	Coastal bluff scrub, coastal scrub; soil/moss/N.A./33–328	X	L	L	X	L	L	L	L	L	L	L	X	L	Low potential to occur along the Morena Pipelines. Not expected to occur in other Project components farther from the coast. Known in California from fewer than ten small coastal occurrences.
<i>Viguiera laciniata</i>	San Diego County viguiera	None/None/4.2/None	Chaparral, coastal scrub/perennial shrub/Feb–June (Aug)/197–2461	X	L	D	X	L	L	D	L	D	D	D	L	D	Observed within the buffer around the San Vicente Pipeline, In-Reservoir Alternative Terminus, Marina Alternative Terminus, MTBS, and NCWRP, and the LFG Pipeline. Low potential to occur in all other components that have suitable habitat, but where focused surveys were negative. Not expected to occur within Project components lacking suitable habitat.

APPENDIX M (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR/MSCP)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Morena Pump Station	Morena Wastewater Foremain and Brine/ Centrate Lines (Morena Pipelines)	North City Water Reclamation Plant Expansion (NCWRP)	North City Pure Water Facility – Influent Pump Station (NCPWF Influent Pump Station)	North City Pure Water Facility	North City Pure Water Pump Station (North City Pump Station)	San Vicente Pure Water Pipeline (San Vicente Pipeline)	San Vicente Pipeline – Tunnel Alternative Terminus (San Vicente Pipeline – TAT)	San Vicente Pipeline –In-Reservoir Alternative Terminus (San Vicente Pipeline – IRAT)	San Vicente Pipeline- Marina Alternative Terminus (San Vicente Pipeline – MAT)	Mission Trails Booster Station (MTBS)	Metro Biosolids Center (MBC)	Landfill Gas Pipeline (LFG Pipeline)	Potential to Occur
<i>Xanthisma junceum</i>	rush-like bristleweed	None/None/4.3/None	Chaparral, coastal scrub/perennial herb/June–Jan/787–3281	X	X	X	X	X	X	L	L	L	L	L	X	X	Low potential to occur within the Miramar Wastewater Treatment Plant Improvements; however, focused surveys for this species were negative. Not expected to occur in other Project components because they are below the species' known elevation range.

Notes:

X = not expected (no suitable habitat and/or outside elevation range)

D = detected within the component or 100-foot buffer

L = low potential (suitable habitat but surveys were negative)

Status Legend:

FE: Federally listed as endangered

FT: Federally listed as threatened

FC: Federal Candidate for listing

DL: Delisted

CE: State listed as endangered

CT: State listed as threatened

CR: State Rare

CRPR 1A: Plants Presumed Extirpated in California and Either Rare or Extinct Elsewhere

CRPR 1B: Plants Rare, Threatened, or Endangered in California and Elsewhere

CRPR 2A: Plants Presumed Extirpated in California, But More Common Elsewhere

CRPR 2B: Plants Rare, Threatened, or Endangered in California, But More Common Elsewhere

CRPR 3: Plants About Which More Information is Needed - A Review List

CRPR 4: Plants of Limited Distribution - A Watch List

.1 Seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat)

.2 Moderately threatened in California (20-80% occurrences threatened / moderate degree and immediacy of threat)

.3 Not very threatened in California (<20% of occurrences threatened / low degree and immediacy of threat or no current threats known)

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