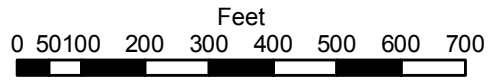


47th Street Canyon | Vegetation Polygon KEY to Spreadsheet

Existing Conditions Map Set for 47th Street Canyon



Map Date: 02-07-12 | Imagery Date: Fall 2008
 Data Sources: SanGIS, City of San Diego, San Diego Canyonlands
 Contact: Will Anderson | www.sdcanyonlands.org



47th Street Canyon Vegetation Notes - 2/7/2012

| 47th Street Canyon Vegetation Communities | | | | | |
|--|---------------------|-----------------------------------|----------------------|--|---|
| Polygon | Holland Code | Holland Description | Veg Condition | Field Notes | Manual of California Vegetation Alliance |
| 1 | 11300 | Disturbed Habitat | Degraded (0-24%) | Disturbed, open area with non-native grasses and forbs and ornamentals | None |
| 2 | 37G00 | Coastal-Sage Chaparral Transition | High (76-100%) | Natives: Laurel Sumac, Lemonade Berry, Mission Manzanita, Flat-top Buckwheat, Felt-leaf Yerba Santa, Black Sage, Sawtooth Goldenbush, Wart-stem Ceanothus (4), Coast Live Oak, Spiny Redberry. 90% natives, dominated by Laurel Sumac, which was 40% of total natives. Co-dominant with Lemonade Berry (30% of natives). Other natives are the remaining 30% of total natives. | None |
| 3 | 42200 | Non-native Grassland | Degraded (0-24%) | Only about 10% natives . Mostly non-native grasses and forbs. This area surrounds the drainage. Evidence of a previous fire. Native plants planted by SDCL winter 2011. | None |
| 4 | 37G00 | Coastal-Sage Chaparral Transition | Medium (51-75%) | Natives: Laurel Sumac, Wart-stem Ceanothus (1), Black Sage, Mission Manzanita, Chamise, Coastal Bushmallow, Scrub Oak, Toyon, Felt-leaf Yerba Santa, Broom Baccharis. Non-natives: Acacia. Evidence of a previous fire. Roughly 30% is open, non-native grasses and forbs, 70% natives. No dominance of any native species, but Laurel Sumac is the most prevalent. | None |
| 5 | 37200 | Chamise Chaparral | Low (25-50%) | Natives: Chamise, Felt-leaf Yerba Santa, Deerweed, Mission Manzanita, Lemonade Berry, Wart-stem Ceanothus (8), Coastal Sagebrush. 50% open with non-native grasses and forbs (42200). Evidence of a previous fire. Of the natives, about 80% is Chamise, mostly clustered together at the west side of the mesa. | Adenostema fasciculatum Shrubland Alliance |
| 6 | 42200 | Non-native Grassland | Degraded (0-24%) | North section of the mesa near private property. Area is disturbed with non-native grasses and forbs including iceplant. | None |
| 7 | 37120 | Scrub Oak Chaparral | High (76-100%) | Natives: Flat-top Buckwheat, Laurel Sumac, Lemonade Berry, Coastal Sage, Mission Manzanita, Scrub Oak, Black Sage, Coast Live Oak, Wart-stem Ceanothus (12). Non-natives: Acacia. 90% natives. Approximately 70% of natives are Scrub Oaks; the remainder are other natives. Non-natives are primarily Acacia and non-native grasses/forbs. | None |
| 8 | 11300 | Disturbed Habitat | Degraded (0-24%) | Disturbed, open area with non-native grasses and forbs and escaped ornamentals with a significant amount of Acacias. Some Acacias were cut-and-sprayed Winter 2012. | None |

47th Street Canyon Vegetation Notes - 2/7/2012

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|---|--------------|---|------------------|---|--|
| Polygon | Holland Code | Holland Description | Veg Condition | Field Notes | Manual of California Vegetation Alliance |
| 9 | 11300 | Disturbed Habitat | Degraded (0-24%) | Only about 5% natives (Scrub Oak, Laurel Sumac, Coast Live Oak at the SE end of the polygon). Heavy infestation of Peruvian and Brazilian Pepper trees. Also Acacia, Eucalyptus, Arundo, Nasturtium, Indian Fig Cactus, and Castor Bean. About 25% of coverage is non-native grasses/forbs. | None |
| 10 | 32510 | Diegan Coastal Sage Scrub: Coastal Form | High (76-100%) | Stewardship site. Mostly recently-planted native plants on a steep slope with straw wattle to control erosion. Natives: Laurel Sumac, Coastal Sage, Buckwheat, Scrub Oak, Bush Sunflower (<i>Encelia californica</i>), Holly-oak Cherry. No dominance of any species, but Chamise is most prevalent. Planted Fall 2011. | None |
| 11 | 37G00 | Coastal-Sage Chaparral Transition | High (76-100%) | Natives: Chamise, Laurel Sumac, Scrub Oak, Lemonade Berry, Toyon, Black Sage, Bush Sunflower, Mulefat. Non-natives: Peruvian Pepper, Acacia. About 20% non-natives dominated by Acacia. 80% natives dominated by Laurel Sumac, which is approximately 60% of native coverage. Scrub Oak was most prevalent after Laurel Sumac. | Malosma laurina Shrubland Alliance |
| 12 | 11300 | Disturbed Habitat | Degraded (0-24%) | Disturbed. A mixture of non-native grassland and disturbed areas with invasive trees and escaped ornamentals. Dominated by invasive trees and escaped ornamentals. Non-natives: Peruvian Pepper, Acacia (trees), Acacia redolens (prostrate shrub), Jade, Iceplant, Fennel, Himalayan Blackberry, Arundo. | None |
| 12A | 11300 | Disturbed Habitat | Degraded (0-24%) | Degraded area along trail/PUD access. All non-native grasses and forbs. | None |
| 13 | 11300 | Disturbed Habitat | Degraded (0-24%) | Disturbed slope with eroded areas. Non-natives: Plumbago, Peruvian Pepper, Arundo, Eucalyptus, Brazilian Pepper, Jacaranda, non-native grasses and forbs. Natives: Chamise. Less than 10% natives. Of the non-native coverage, about 70% is non-native grasses and forbs, with the rest composed of non-native trees and escaped ornamentals. | None |
| 14 | 42200 | Non-native Grassland | Degraded (0-24%) | Non-native grasses and forbs. Some Arundo east of the drainage that is dying. | None |

47th Street Canyon Vegetation Notes - 2/7/2012

| 47th Street Canyon Vegetation Communities | | | | | |
|--|---------------------|-----------------------------------|----------------------|---|---|
| Polygon | Holland Code | Holland Description | Veg Condition | Field Notes | Manual of California Vegetation Alliance |
| 15 | 37G00 | Coastal-Sage Chaparral Transition | High (76-100%) | Natives: Chamise, Scrub Oak, Laurel Sumac, Mission Manzanita, Yerba Santa, Toyon, Lemonade Berry, Coastal Sagebrush, Wart-stem Ceanothus (6), Black Sage, Flat-top Buckwheat. Non-natives: Acacia, Eucalyptus, Mexican Fan Palm, Castor Bean Indian Fig Cactus. 80% natives. Of the natives, Laurel Sumac is the most dominant (approx 45% of natives). | None |
| 16 | 11300 | Disturbed Habitat | Degraded (0-24%) | Natives: Scrub Oak, Laurel Sumac. Non-natives: Eucalyptus, Indian Fig Cactus, Nasturtium, Peruvian Pepper. Only about 10% natives. Eucs most prevalent of the trees, but not a Eucalyptus woodland. | None |
| 17 | 42200 | Non-native Grassland | Degraded (0-24%) | Non-native grasses and forbs along the top of the slope at Thorn dropping down a steep slope. Mostly non-native grasses and Nasturtium. | None |
| 18 | 79100 | Eucalyptus Woodland | Degraded (0-24%) | All Eucs with one Olive tree and a Peruvian Pepper. Almost no understory. | None |
| 19 | 79000 | Non-Native Woodland | Degraded (0-24%) | 0% natives. Non-native woodland: Acacia, Peruvian Pepper, and Brazilian Pepper. | None |
| 20 | 37G00 | Coastal-Sage Chaparral Transition | Medium (51-75%) | Natives: Lemonade Berry, Chamise, Toyon, Scrub Oak, Laurel Sumac, Black Sage, Wart-stem Ceanothus (1). Non-natives: Peruvian Pepper, Acacia, Eucalyptus, Olive, Indian Fig Cactus, non-native Agave, escaped ornamentals. 60% natives with no dominance of any species native or non-native. | None |
| 21 | 37G00 | Coastal-Sage Chaparral Transition | High (76-100%) | Natives: Lemonade Berry, Toyon, Scrub Oak, Laurel Sumac. Non-natives: Indian Fig Cactus. 85% natives dominated by Laurel Sumac, which is 60% of native coverage. Secondary dominance of Toyon. | Malosma laurina Shrubland Alliance |
| 22 | 37G00 | Coastal-Sage Chaparral Transition | High (76-100%) | Natives: Scrub Oak, Felt-leaf Yerba Santa, Laurel Sumac, Toyon, Lemonade Berry. Scrub oak is approx. 50% of native coverage with significant amounts of Laurel Sumac (secondary dominance) and Toyon (tertiary dominance). | None |
| 22A | 37G00 | Coastal-Sage Chaparral Transition | Medium (51-75%) | Natives: Mission Manzanita, Laurel Sumac, Scrub Oak, Toyon. Native coverage 55%. The remainder are non-native grasses and forbs. | |

47th Street Canyon Vegetation Notes - 2/7/2012

| 47th Street Canyon Vegetation Communities | | | | | |
|--|---------------------|----------------------------|----------------------|--|---|
| Polygon | Holland Code | Holland Description | Veg Condition | Field Notes | Manual of California Vegetation Alliance |
| 23 | 79000 | Non-Native Woodland | Degraded (0-24%) | Non-native woodland dominated by Eucalyptus with remnants of Acacias cut-and-sprayed Fall 2011 . Used to be 50/50 Eucs/Acacias, now 70% Eucs. 10% natives (Laurel Sumac), 20% escaped ornamentals and non-native grasses/forbs. Calling this a non-native woodland rather than a Eucalyptus woodland due to the previous amount of Acacias which might re-emerge. | None |
| 24 | 37120 | Scrub Oak Chaparral | High (76-100%) | Natives: Felt-leaf yerba Santa, Scrub Oak, Lemonade Berry, Laurel Sumac, Toyon. 90% natives. Of the natives, approx. 80% is Scrub Oak. | None |
| 25 | 37120 | Scrub Oak Chaparral | Medium (51-75%) | Natives: Laurel Sumac, Coastal Sagebrush, Coastal Bushmallow, Holly-leaf Cherry, Felt-leaf Yerba Santa, Chamise, Deerweed, Lemonade Berry. Non-natives: Indian Fig Cactus, Brazilian Pepper, Acacia, Tree Tobacco. About 70% natives. Of the natives, Scrub Oak is dominant (60% of natives). Laurel Sumac has secondary dominance, Chamise is third. | None |
| 25A | 11300 | Disturbed Habitat | Degraded (0-24%) | 0% natives. Disturbed area hugging the canyon rim at the property lines. Non-natives: Peruvian Pepper, non-native grasses, escaped ornamentals. | |
| 26 | 42200 | Non-native Grassland | Degraded (0-24%) | Non-native grassland | None |
| 27 | 11300 | Disturbed Habitat | Degraded (0-24%) | Natives: Scrub Oak, Lemonade Berry, Felt-leaf Yerba Santa, Lemonade Berry. Non-natives: Eucalyptus, Peruvian Pepper, Indian Fig Cactus, Acacia, Brazilian Pepper, Iceplant, non-native grasses. Only 10% natives (no dominance of any native species). Area is dominated by non-native cactus with a secondary dominance of Eucalyptus, Acacia, and Peppers | None |
| 28 | 11300 | Disturbed Habitat | Low (25-50%) | Natives: Lemonade Berry, Laurel Sumac, Scrub Oak . Non-natives: Eucalyptus, Peruvian Pepper, Ash, Iceplant, Himalayan Blackberry, escaped ornamentals, non-native grasses. This polygon has has two stands of native veg broken up by non-natives. 25% natives dominated by Scrub Oak (50% of natives). 75% are non-natives with no dominance of any non-native species. | None |
| 29 | 37120 | Scrub Oak Chaparral | High (76-100%) | Natives: Laurel Sumac, Scrub Oak, Felt-leaf Yerba Santa, Chamise, Black Sage, Lemonade Berry, Coastal Bushmallow. Non-natives: Peruvian Pepper and non-native grasses. 80% natives dominated by Scrub Oak (80% of natives) | None |

47th Street Canyon Vegetation Notes - 2/7/2012

| 47th Street Canyon Vegetation Communities | | | | | |
|--|---------------------|----------------------------|----------------------|---|---|
| Polygon | Holland Code | Holland Description | Veg Condition | Field Notes | Manual of California Vegetation Alliance |
| 30 | 11300 | Disturbed Habitat | Degraded (0-24%) | Natives: , Lemondade Berry, Laurel Sumac,. Non-natives: Peruvian Pepper, Brazilian Pepper, Indian Fig Cactus, Acacia, Russian Thistle, Iceplant, non-native grasses/forbs. Only 20% natives in two scattered pockets (dominated by Laurel Sumac). Of the non-natives, 60% are non-native grasses and forbs. Calling this disturbed rather than non-native grassland due to the fairly significant amount of natives and non-native trees. | None |
| 31 | 42200 | Non-native Grassland | Degraded (0-24%) | Non-native grassland. 90% non-native grasses/forbs. 5% Acacias and iceplant. 5% natives (Lemonade Berry, Scrub Oak, Laurel Sumac, and Toyon). | None |
| 32 | 65100 | Arundo-Dominated Riparian | Degraded (0-24%) | Non-natives: Arundo, Peruvian Pepper, Nasturtium, escaped ornamentals. Arundo is 90% of vegetation. 0% natives. South end of the polygon is under maintenance (cut but not sprayed Winter 2011/2012). | None |
| 33 | 11300 | Disturbed Habitat | Degraded (0-24%) | Non-natives: Peruvian Pepper, Canary Island Palm, Mexican Fan Palm, Acacias, escaped ornamentals, Indian Fig Cactus. This area would be Arundo-dominated Riparian (65100), but Arundo in this area was cut-and-sprayed Winter-Summer 2011 and is being maintained. With the Arundo gone/maintained, it is now disturbed. | None |
| 34 | 11300 | Disturbed Habitat | Degraded (0-24%) | Non-natives: Peruvian Pepper, Canary Island Palm, Mexican Fan Palm, Acacias, escaped ornamentals, Indian Fig Cactus. This area would be Arundo-dominated Riparian (65100), but Arundo in this area cut-and-sprayed Winter-Summer 2011 and is being maintained. With the Arundo gone/maintained, it is now disturbed. | None |
| | | | | | |
| | | | | | |
| | | | | END | |

47th Street Canyon Sensitive Species Counts (02-07-12)

| Polygon | Species | Count | Notes |
|----------------|-----------------------------|--------------|------------------------------------|
| 2 | <i>Ceanothus verrucosus</i> | 4 | one cluster of 4 |
| 4 | <i>Ceanothus verrucosus</i> | 1 | |
| 5 | <i>Ceanothus verrucosus</i> | 8 | |
| 7 | <i>Ceanothus verrucosus</i> | 12 | one group of 6, the rest scattered |
| 15 | <i>Ceanothus verrucosus</i> | 6 | |
| 20 | <i>Ceanothus verrucosus</i> | 1 | |