

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

[Only those map units that have entries for the selected non-technical description categories are included in this report]

**Map Unit:** CaD - Caguabo gravelly clay loam, 12 to 20 percent slopes

**Description Category:** LCU

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.*

*Value Land Type Cover (Percent Cover) and General description*

*34 Mature primary Tabonuco and secondary montane wet noncalcareous evergreen forest (60%): Mature primary Tabonuco forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.*

*26 Mature secondary lowland moist noncalcareous evergreen forest (31%): Mature lowland moist forest on substrates primarily derived from volcanic material on the northern coastal plain, lower elevations of the Central and Luquillo Mountains, the Caguas valley, and southeastern Puerto Rico. These occur primarily on long abandoned (> 30 years) sugar cane, shade coffee, and pasture lands but contain remnants of older lowland moist forests and harbor a majority of native tree species.*

*50 Land Cover Type: Moist grasslands and pastures (8%): Moist grasslands and pastures*

*28 Lowland moist noncalcareous shrubland and woodland (1%): Young secondary lowland moist forest on substrates primarily derived from volcanic material on the northern coastal plain, lower elevations of the Central and Luquillo Mountains, the Caguas valley, and southeastern Puerto Rico. These occur primarily on recently abandoned or semi active pasture lands.*

**Description Category:** NVC

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.*

*ID Classification Name (Percent Cover)*

*G448 Caribbean Wet Montane Forest Group (61%)*

*G454 Caribbean Moist Lowland-Submontane Forest Group (31%)*

*D094 Caribbean & Central American Lowland Shrubland, Grassland & Savanna (8%)*

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

**Map Unit:** CzE - Cristal-Zarzal complex, 5 to 40 percent slopes

**Description Category:** LCU

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.*

**Value** Land Type Cover (Percent Cover) and General description

34 Mature primary Tabonuco and secondary montane wet noncalcareous evergreen forest (79%): Mature primary Tabonuco forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.

35 Mature primary Palo Colorado and secondary montane wet noncalcareous evergreen forest (10%): Mature primary Palo Colorado tall cloud forests in the Luquillo mountains and other mature cloud secondary forests in the Central Mountains.

30 Mature secondary montane wet alluvial evergreen forest (5%): Mature secondary wet evergreen forests on small patches of alluvial material in the upper Central and Luquillo Mountains. These are areas with less steep terrain and better soil development, and deeper soils than surrounding volcanic substrates.

36 Mature primary Sierra Palm and secondary montane wet noncalcareous evergreen forest (2%): Mature primary Sierra Palm forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.

38 Young secondary montane wet noncalcareous evergreen forest (2%): Young secondary wet evergreen forests on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on recently (10 - 30 years) abandoned pastures.

30 Mature secondary montane wet alluvial evergreen forest (2): Mature secondary wet evergreen forests on small patches of alluvial material in the upper Central and Luquillo Mountains. These are areas with less steep terrain and better soil development, and deeper soils than surrounding volcanic substrates.

**Description Category:** NVC

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.*

**ID** Classification Name (Percent Cover)

G448 Caribbean Wet Montane Forest Group (90%)

G451 Caribbean Montane Cloud Forest Group (10%)

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

**Map Unit:** DwF - Dwarf-El Duque complex, 5 to 60 percent slopes, windswept

**Description Category:** LCU

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.*

**Value** Land Type Cover (Percent Cover) and General description

37 Mature primary elfin woodland and secondary montane wet noncalcareous evergreen cloud forest (41%). Mature primary Elfin woodland in the Luquillo mountains and other mature secondary cloud forests in the Central Mountains.

35 Mature primary Palo Colorado and secondary montane wet noncalcareous evergreen forest (31%): Mature primary Palo Colorado tall cloud forests in the Luquillo mountains and other mature cloud secondary forests in the Central Mountains.

36 Mature primary Sierra Palm and secondary montane wet noncalcareous evergreen forest (26%): Mature primary Sierra Palm forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.

38 Young secondary montane wet noncalcareous evergreen forest (1%): Young secondary wet evergreen forests on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on recently (10 - 30 years) abandoned pastures.

64 Low-density urban development (1%): Developed pixels that exist within a matrix of < 20% developed pixels (> 80% vegetated, water or natural barrens) within a 1 km<sup>2</sup> area surrounding each pixel (Martinuzzi et al 2006). Primarily unvegetated but may contain subpixel elements of gardens, lawns, or weedy vegetation that can be exploited as habitat. Typically surrounded by adjacent vegetation.

**Description Category:** NVC

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.*

**ID** Classification Name (Percent Cover)

G452 Caribbean Montane Elfin Thicket Group (41%)  
G451 Caribbean Montane Cloud Forest Group (31%)  
G448 Caribbean Wet Montane Forest Group (27%)  
Low-Density Urban Development (1%)

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

**Map Unit:** GuF - Guayabota-Yunque complex, 20 to 60 percent slopes

**Description Category:** LCU

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.*

**Value**      **Land Type Cover (Percent Cover) and General description**

35      *Mature primary Palo Colorado and secondary montane wet noncalcareous evergreen forest (66%): Mature primary Palo Colorado tall cloud forests in the Luquillo mountains and other mature cloud secondary forests in the Central Mountains.*

36      *Mature primary Sierra Palm and secondary montane wet noncalcareous evergreen forest (30%): Mature primary Sierra Palm forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.*

39      *Montane wet noncalcareous evergreen shrubland and woodland (2%): Montane wet shrubland and open woodland on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on abandoned or semi active pastures or disturbed areas (landslides, hurricane, forest clearing).*

50      *Moist grasslands and pastures (2%): Moist grasslands and pastures*

**Description Category:** NVC

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.*

**ID**      **Classification Name (Percent Cover)**

G451      *Caribbean Montane Cloud Forest Group (68%)*

G448      *Caribbean Wet Montane Forest Group (32%)*

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

**Map Unit:** HmE - Humatas-Zarzal complex, 5 to 40 percent slopes

**Description Category:** LCU

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.*

**Value** Land Type Cover (Percent Cover) and General description

34 Mature primary Tabonuco and secondary montane wet noncalcareous evergreen forest (88%): Mature primary Tabonuco forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.

35 Mature primary Palo Colorado and secondary montane wet noncalcareous evergreen forest (3%): Mature primary Palo Colorado tall cloud forests in the Luquillo mountains and other mature cloud secondary forests in the Central Mountains.

26 Mature secondary lowland moist noncalcareous evergreen forest (2%): Mature lowland moist forest on substrates primarily derived from volcanic material on the northern coastal plain, lower elevations of the Central and Luquillo Mountains, the Caguas valley, and southeastern Puerto Rico. These occur primarily on long abandoned (> 30 years) sugar cane, shade coffee, and pasture lands but contain remnants of older lowland moist forests and harbor a majority of native tree species.

38 Young secondary montane wet noncalcareous evergreen forest (2%): Young secondary wet evergreen forests on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on recently (10 - 30 years) abandoned pastures.

36 Mature primary Sierra Palm and secondary montane wet noncalcareous evergreen forest Mature primary Sierra Palm forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.

**Description Category:** NVC

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.*

**ID** Classification Name (Percent Cover)

G448 Caribbean Wet Montane Forest Group (93%)

G451 Caribbean Montane Cloud Forest Group (3%)

G454 Caribbean Moist Lowland-Submontane Forest Group (2%)

D094 Caribbean & Central American Lowland Shrubland, Grassland & Savanna (2%)

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

**Map Unit:** IcA - Icacos loam, occasionally flooded

**Description Category:** LCU

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.*

*Value Land Type Cover (Percent Cover) and General description*

35 *Mature primary Palo Colorado and secondary montane wet noncalcareous evergreen forest (88%): Mature primary Palo Colorado tall cloud forests in the Luquillo mountains and other mature cloud secondary forests in the Central Mountains.*

38 *Young secondary montane wet noncalcareous evergreen forest (8%): Young secondary wet evergreen forests on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on recently (10 - 30 years) abandoned pastures.*

36 *Mature primary Sierra Palm and secondary montane wet noncalcareous evergreen forest (3%): Mature primary Sierra Palm forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.*

39 *Montane wet noncalcareous evergreen shrubland and woodland (1%): Montane wet shrubland and open woodland on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on abandoned or semi active pastures or disturbed areas (landslides, hurricane, forest clearing).*

**Description Category:** NVC

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.*

*ID Classification Name (Percent Cover)*

G451 *Caribbean Montane Cloud Forest Group (88%)*

G448 *Caribbean Wet Montane Forest Group (12%)*

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

**Map Unit:** LuB - Luquillo-El Verde complex, 0 to 5 percent slopes, occasionally flooded

**Description Category:** LCU

The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.

**Value** Land Type Cover (Percent Cover) and General description

30 Mature secondary montane wet alluvial evergreen forest (38%): Mature secondary wet evergreen forests on small patches of alluvial material in the upper Central and Luquillo Mountains. These are areas with less steep terrain and better soil development, and deeper soils than surrounding volcanic substrates.

34 Mature primary Tabonuco and secondary montane wet noncalcareous evergreen forest (36%): Mature primary Tabonuco forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.

38 Young secondary montane wet noncalcareous evergreen forest (13%): Young secondary wet evergreen forests on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on recently (10 - 30 years) abandoned pastures.

31 Young secondary montane wet alluvial evergreen forest (5%): Young secondary wet evergreen forests on small patches of alluvial material in the upper Central and Luquillo Mountains. These are areas with less steep terrain and better soil development, and deeper soils than surrounding volcanic substrates. Forests have developed on recently abandoned agricultural lands.

50 Moist grasslands and pastures (5%): Moist grasslands and pastures.

64 Low-density urban development (1%): Developed pixels that exist within a matrix of < 20% developed pixels (> 80% vegetated, water or natural barrens) within a 1 km<sup>2</sup> area surrounding each pixel (Martinuzzi et al 2006). Primarily unvegetated but may contain subpixel elements of gardens, lawns, or weedy vegetation that can be exploited as habitat. Typically surrounded by adjacent vegetation.

66 Freshwater (1%): Lakes, ponds and rivers that are detectable in land sat imagery. A number of small streams, small ponds, and ephemeral ponds and streams are not included. Primarily unvegetated freshwater but may contain subpixel elements of submerged, floating, or seasonally emergent vegetation including *Lemna perpusilla* (duckweed), *Nymphaea ampla* (water lily) and *Pistia stratiotes* (water-lettuce) mats (Dansereau 1966).

32 Montane wet alluvial shrubland and woodland (1%): Montane wet shrublands and open forests (woodland) on small patches of alluvial material in the upper Central and Luquillo Mountains. Developing on very recently abandoned agricultural lands.

**Description Category:** NVC

The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.

**ID** Classification Name (Percent Cover)

G448 Caribbean Wet Montane Forest Group (93%)

D094 Caribbean & Central American Lowland Shrubland, Grassland & Savanna (5%)

Low-Density Urban Development (1%)

Freshwater (1%)

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

**Map Unit:** PaG - Palm-Yunque complex, 40 to 90 percent slopes, extremely stony

**Description Category:** LCU

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.*

**Value**      *Land Type Cover (Percent Cover) and General description*

35              *Mature primary Palo Colorado and secondary montane wet noncalcareous evergreen forest (63%): Mature primary Palo Colorado tall cloud forests in the Luquillo mountains and other mature cloud secondary forests in the Central Mountains.*

36              *Mature primary Sierra Palm and secondary montane wet noncalcareous evergreen forest (30%): Mature primary Sierra Palm forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.*

37              *Mature primary elfin woodland and secondary montane wet noncalcareous evergreen cloud forest (3%): Mature primary Elfin woodland in the Luquillo mountains and other mature secondary cloud forests in the Central Mountains.*

34              *Mature primary Tabonuco and secondary montane wet noncalcareous evergreen forest (3%): Mature primary Tabonuco forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.*

39              *Montane wet noncalcareous evergreen shrubland and woodland (1%): Montane wet shrubland and open woodland on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on abandoned or semi active pastures or disturbed areas (landslides, hurricane, forest clearing).*

**Description Category:** NVC

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.*

**ID**              *Classification Name (Percent Cover)*

G451      *Caribbean Montane Cloud Forest Group (63%)*

G448      *Caribbean Wet Montane Forest Group (34%)*

G452      *Caribbean Montane Elfin Thicket Group (3%)*

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

**Map Unit:** PcE - Picacho-Ciales complex, 5 to 40 percent slopes

**Description Category:** LCU

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.*

**Value** Land Type Cover (Percent Cover) and General description

35 Mature primary Palo Colorado and secondary montane wet noncalcareous evergreen forest (63%): Mature primary Palo Colorado tall cloud forests in the Luquillo mountains and other mature cloud secondary forests in the Central Mountains.

34 Mature primary Tabonuco and secondary montane wet noncalcareous evergreen forest (19%): Mature primary Tabonuco forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.

36 Mature primary Sierra Palm and secondary montane wet noncalcareous evergreen forest (17%): Mature primary Sierra Palm forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.

39 Montane wet noncalcareous evergreen shrubland and woodland (1%): Montane wet shrubland and open woodland on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on abandoned or semi active pastures or disturbed areas (landslides, hurricane, forest clearing).

**Description Category:** NVC

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.*

**ID** Classification Name (Percent Cover)

G451 Caribbean Montane Cloud Forest Group (63%)

G448 Caribbean Wet Montane Forest Group (37%)

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

**Map Unit:** PiE - Picacho-Utuado complex, 5 to 40 percent slopes

**Description Category:** LCU

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.*

**Value**      **Land Type Cover (Percent Cover) and General description**

35              *Mature primary Palo Colorado and secondary montane wet noncalcareous evergreen forest (86%): Mature primary Palo Colorado tall cloud forests in the Luquillo mountains and other mature cloud secondary forests in the Central Mountains.*

36              *Mature primary Sierra Palm and secondary montane wet noncalcareous evergreen forest (9%): Mature primary Sierra Palm forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.*

34              *Mature primary Tabonuco and secondary montane wet noncalcareous evergreen forest (2%): Mature primary Tabonuco forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.*

38              *Young secondary montane wet noncalcareous evergreen forest (2%): Young secondary wet evergreen forests on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on recently (10 - 30 years) abandoned pastures.*

39              *Montane wet noncalcareous evergreen shrubland and woodland (1%): Montane wet shrubland and open woodland on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on abandoned or semi active pastures or disturbed areas (landslides, hurricane, forest clearing).*

**Description Category:** NVC

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.*

**ID**              **Classification Name (Percent Cover)**

G451          *Caribbean Montane Cloud Forest Group (86%)*

G448          *Caribbean Wet Montane Forest Group (14%)*

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

**Map Unit:** PiG - Picacho-Utuado complex, 40 to 90 percent slopes

**Description Category:** LCU

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.*

**Value**      **Land Type Cover (Percent Cover) and General description**

34              *Mature primary Tabonuco and secondary montane wet noncalcareous evergreen forest (37%): Mature primary Tabonuco forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.*

35              *Mature primary Palo Colorado and secondary montane wet noncalcareous evergreen forest (31%): Mature primary Palo Colorado tall cloud forests in the Luquillo mountains and other mature cloud secondary forests in the Central Mountains.*

36              *Mature primary Sierra Palm and secondary montane wet noncalcareous evergreen forest (29%): Mature primary Sierra Palm forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.*

39              *Montane wet noncalcareous evergreen shrubland and woodland (2%): Montane wet shrubland and open woodland on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on abandoned or semi active pastures or disturbed areas (landslides, hurricane, forest clearing).*

38              *Young secondary montane wet noncalcareous evergreen forest (1%): Young secondary wet evergreen forests on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on recently (10 - 30 years) abandoned pastures.*

**Description Category:** NVC

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.*

**ID**              **Classification Name (Percent Cover)**

G448          *Caribbean Wet Montane Forest Group (68%)*

G451          *Caribbean Montane Cloud Forest Group (32%)*

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

**Map Unit:** PrF - Prieto very cobbly clay loam, 20 to 60 percent slopes

**Description Category:** LCU

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.*

*Value Land Type Cover (Percent Cover) and General description*

*34 Mature primary Tabonuco and secondary montane wet noncalcareous evergreen forest (88%): Mature primary Tabonuco forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.*

*35 Mature primary Palo Colorado and secondary montane wet noncalcareous evergreen forest (7%): Mature primary Palo Colorado tall cloud forests in the Luquillo mountains and other mature cloud secondary forests in the Central Mountains.*

*36 Mature primary Sierra Palm and secondary montane wet noncalcareous evergreen forest (5%): Mature primary Sierra Palm forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.*

**Description Category:** NVC

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.*

*ID Classification Name (Percent Cover)*

*G448 Caribbean Wet Montane Forest Group (93%)*

*G451 Caribbean Montane Cloud Forest Group (7%)*

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

**Map Unit:** SoE - Sonadora-Caguabo complex, 20 to 40 percent slopes

**Description Category:** LCU

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.*

**Value** Land Type Cover (Percent Cover) and General description

34 Mature primary Tabonuco and secondary montane wet noncalcareous evergreen forest (54%): Mature primary Tabonuco forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.

26 Mature secondary lowland moist noncalcareous evergreen forest (44%): Mature lowland moist forest on substrates primarily derived from volcanic material on the northern coastal plain, lower elevations of the Central and Luquillo Mountains, the Caguas valley, and southeastern Puerto Rico. These occur primarily on long abandoned (> 30 years) sugar cane, shade coffee, and pasture lands but contain remnants of older lowland moist forests and harbor a majority of native tree species.

38 Young secondary montane wet noncalcareous evergreen forest (2%): Young secondary wet evergreen forests on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on recently (10 - 30 years) abandoned pastures.

**Description Category:** NVC

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.*

**ID** Classification Name (Percent Cover)

G448 Caribbean Wet Montane Forest Group (56%)

G454 Caribbean Moist Lowland-Submontane Forest Group (44%)

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

**Map Unit:** SoG - Sonadora-Caguabo complex, 40 to 90 percent slopes

**Description Category:** LCU

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.*

**Value** Land Type Cover (Percent Cover) and General description

34 Mature primary Tabonuco and secondary montane wet noncalcareous evergreen forest (60%): Mature primary Tabonuco forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.

26 Mature secondary lowland moist noncalcareous evergreen forest (33%): Mature lowland moist forest on substrates primarily derived from volcanic material on the northern coastal plain, lower elevations of the Central and Luquillo Mountains, the Caguas valley, and southeastern Puerto Rico. These occur primarily on long abandoned (> 30 years) sugar cane, shade coffee, and pasture lands but contain remnants of older lowland moist forests and harbor a majority of native tree species.

35 Mature primary Palo Colorado and secondary montane wet noncalcareous evergreen forest (2%): Mature primary Palo Colorado tall cloud forests in the Luquillo mountains and other mature cloud secondary forests in the Central Mountains.

36 Mature primary Sierra Palm and secondary montane wet noncalcareous evergreen forest (2%): Mature primary Sierra Palm forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.

38 Young secondary montane wet noncalcareous evergreen forest (2%): Young secondary wet evergreen forests on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on recently (10 - 30 years) abandoned pastures.

50 Land Cover Type: Moist grasslands and pastures (1%): Moist grasslands and pastures

**Description Category:** NVC

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.*

**ID** Classification Name (Percent Cover)

G448 Caribbean Wet Montane Forest Group (64%)

G454 Caribbean Moist Lowland-Submontane Forest Group (33%)

G451 Caribbean Montane Cloud Forest Group (2%)

D094 Caribbean & Central American Lowland Shrubland, Grassland & Savanna (1%)

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

**Map Unit:** YnG - Yunque cobbly clay, 40 to 90 percent slopes, extremely stony

**Description Category:** LCU

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.*

**Value** Land Type Cover (Percent Cover) and General description

36 Mature primary Sierra Palm and secondary montane wet noncalcareous evergreen forest (65%): Mature primary Sierra Palm forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.

35 Mature primary Palo Colorado and secondary montane wet noncalcareous evergreen forest (28%): Mature primary Palo Colorado tall cloud forests in the Luquillo mountains and other mature cloud secondary forests in the Central Mountains.

37 Mature primary elfin woodland and secondary montane wet noncalcareous evergreen cloud forest (4%): Mature primary Elfin woodland in the Luquillo mountains and other mature secondary cloud forests in the Central Mountains.

34 Mature primary Tabonuco and secondary montane wet noncalcareous evergreen forest (2%): Mature primary Tabonuco forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.

39 Montane wet noncalcareous evergreen shrubland and woodland (1%): Montane wet shrubland and open woodland on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on abandoned or semi active pastures or disturbed areas (landslides, hurricane, forest clearing).

**Description Category:** NVC

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.*

**ID** Classification Name (Percent Cover)

G448 Caribbean Wet Montane Forest Group (68%)

G451 Caribbean Montane Cloud Forest Group (28%)

G452 Caribbean Montane Elfin Thicket Group (4%)

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

**Map Unit:** YqE - Yunque-Los Guineos-Moteado complex, 5 to 40 percent slopes

**Description Category:** LCU

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.*

**Value**      **Land Type Cover (Percent Cover) and General description**

- 35              *Mature primary Palo Colorado and secondary montane wet noncalcareous evergreen forest (72%): Mature primary Palo Colorado tall cloud forests in the Luquillo mountains and other mature cloud secondary forests in the Central Mountains.*
- 36              *Mature primary Sierra Palm and secondary montane wet noncalcareous evergreen forest (20%): Mature primary Sierra Palm forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.*
- 37              *Mature primary elfin woodland and secondary montane wet noncalcareous evergreen cloud forest (6%): Mature primary Elfin woodland in the Luquillo mountains and other mature secondary cloud forests in the Central Mountains.*
- 34              *Mature primary Tabonuco and secondary montane wet noncalcareous evergreen forest (1%): Mature primary Tabonuco forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.*
- 39              *Montane wet noncalcareous evergreen shrubland and woodland (1%): Montane wet shrubland and open woodland on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on abandoned or semi active pastures or disturbed areas (landslides, hurricane, forest clearing).*

**Description Category:** NVC

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.*

<b>ID</b>	<b>Classification Name (Percent Cover)</b>
G451	Caribbean Montane Cloud Forest Group (72%)
G448	Caribbean Wet Montane Forest Group (22%)
G452	Caribbean Montane Elfin Thicket Group (6%)

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

**Map Unit:** YuF - Yunque-Moteado complex, 20 to 60 percent slopes

**Description Category:** LCU

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.*

**Value**      **Land Type Cover (Percent Cover) and General description**

- 35      *Mature primary Palo Colorado and secondary montane wet noncalcareous evergreen forest (73%): Mature primary Palo Colorado tall cloud forests in the Luquillo mountains and other mature cloud secondary forests in the Central Mountains.*
- 36      *Mature primary Sierra Palm and secondary montane wet noncalcareous evergreen forest (20%): Mature primary Sierra Palm forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.*
- 37      *Mature primary elfin woodland and secondary montane wet noncalcareous evergreen cloud forest (3%): Mature primary Elfin woodland in the Luquillo mountains and other mature secondary cloud forests in the Central Mountains.*
- 34      *Mature primary Tabonuco and secondary montane wet noncalcareous evergreen forest (2%): Mature primary Tabonuco forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.*
- 39      *Montane wet noncalcareous evergreen shrubland and woodland (1%): Montane wet shrubland and open woodland on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on abandoned or semi active pastures or disturbed areas (landslides, hurricane, forest clearing).*
- 38      *Young secondary montane wet noncalcareous evergreen forest (1%): Young secondary wet evergreen forests on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on recently (10 - 30 years) abandoned pastures.*

**Description Category:** NVC

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.*

**ID**      **Classification Name (Percent Cover)**

- G451      *Caribbean Montane Cloud Forest Group (74%)*  
G448      *Caribbean Wet Montane Forest Group (23%)*  
G452      *Caribbean Montane Elfin Thicket Group (3%)*

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

**Map Unit:** ZaG - Zarzal very cobbly clay, 40 to 90 percent slopes

**Description Category:** LCU

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.*

**Value** Land Type Cover (Percent Cover) and General description

34 Mature primary Tabonuco and secondary montane wet noncalcareous evergreen forest (75%): Mature primary Tabonuco forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.

36 Mature primary Sierra Palm and secondary montane wet noncalcareous evergreen forest (18%): Mature primary Sierra Palm forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.

35 Mature primary Palo Colorado and secondary montane wet noncalcareous evergreen forest (5%): Mature primary Palo Colorado tall cloud forests in the Luquillo mountains and other mature cloud secondary forests in the Central Mountains.

38 Young secondary montane wet noncalcareous evergreen forest (2%): Young secondary wet evergreen forests on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on recently (10 - 30 years) abandoned pastures.

**Description Category:** NVC

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.*

**ID** Classification Name (Percent Cover)

G448 Caribbean Wet Montane Forest Group (94%)

G451 Caribbean Montane Cloud Forest Group (6%)

## Map Unit Description (Brief)

El Yunque National Forest, Puerto Rico

**Map Unit:** ZcF - Zarzal-Cristal complex, 20 to 60 percent slopes

**Description Category:** LCU

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>.*

**Value** Land Type Cover (Percent Cover) and General description

34 Mature primary Tabonuco and secondary montane wet noncalcareous evergreen forest (83%): Mature primary Tabonuco forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.

36 Mature primary Sierra Palm and secondary montane wet noncalcareous evergreen forest (9%): Mature primary Sierra Palm forests in the Luquillo mountains and other mature secondary forests in the Central Mountains.

35 Mature primary Palo Colorado and secondary montane wet noncalcareous evergreen forest (6%): Mature primary Palo Colorado tall cloud forests in the Luquillo mountains and other mature cloud secondary forests in the Central Mountains.

38 Young secondary montane wet noncalcareous evergreen forest (2%): Young secondary wet evergreen forests on volcanic substrates in the upper Luquillo, Central, and Cayey Mountains. Regenerating on recently (10 - 30 years) abandoned pastures.

**Description Category:** NVC

*The natural land cover of Puerto Rico were compiled and identified as part of the terrestrial component of the Puerto Rico GAP Analysis Project (PRGAP) using satellite images from the years 1999 to 2003, with a majority of the images from 2000. The land cover data was developed to identify habitat information for modeling vertebrate distributions as well as an updated high resolution land cover map for the islands. The land cover map provides important data for entities involved with conservation activities and landscape analysis. For more information about the PRGAP project please visit, <http://prgap.org>. To know more about the US National Vegetation Classification used to label the land cover types here please visit, <http://usnvc.org/>.*

**ID** Classification Name (Percent Cover)

G448 Caribbean Wet Montane Forest Group (94%)

G451 Caribbean Montane Cloud Forest Group (6%)