

Section III-C. Common Resource Areas

Introduction

A **Common Resource Area**, or CRA, is defined as a geographic area where resource concerns, problems, and treatment needs are similar. Landscape conditions, soil, climate, human considerations, and other natural resource information are used to determine the geographical boundaries of the common resource area. (National Planning Procedures Handbook 600.6-3)

Modernization of business processes in NRCS means that the eFOTG (Electronic Field Office Technical Guide) must be fully adapted and automated to support those processes. A necessary part of this effort was to develop Common Resource Areas (CRAs) and to develop a national CRA map. This work is important because the CRAs form the framework upon which further eFOTG automation will be built.

The CRAs for the State of Hawaii were revised in 2004. Twenty-one CRAs were identified on the eight major islands in the state. Individual CRAs may exist at several different locations on the same island, as well as, on several different islands. Following is a table listing the CRAs in the state, including the National CRA number and a description of the CRA characteristics.

This section also includes revised (November 2004) CRA maps for the six Hawaiian islands of Hawaii, Kauai, Lanai, Maui, Molokai, and Oahu. CRA maps were not developed for the islands of Kahoolawe and Niihau because limited conservation planning for farm and ranch operators on private land is conducted on these islands.

Although the November 1996 CRA Maps have been replaced by the revised maps and the Benchmark System Worksheets and Options Worksheets have been replaced by the CSGs, they will be kept in the FOTG binders and eFOTG for use as a reference.

Hawaii CRAs

CRA #	CRA Name	CRA Description
157.1	Hawaii and Maui arid and semiarid low mountain slopes	Unit has drought tolerant grasses and shrubs on moderately dissected slopes on southern aspects. Climate is warm tropical, arid and semiarid. Slopes are gentle to steep. Soils are moderately deep to very deep, medium textured volcanic ash soils. Land uses are grazing, irrigated cropland and urban.
158.1	Hawaii, Kauai, Lanai, Maui, Molokai, Oahu	Unit has grasses, forbs and shrubs tolerant of seasonal dryness on nearly level to moderately steep slopes on plains dissected in places by gulches. Climate is warm tropical semiarid and subhumid. Soils are mainly deep, fine textured oxidic soils. Land uses are cropland, grazing and urban.
158.2	Central Oahu urban and military semiarid and subhumid low mountain slopes	Unit has impervious surfaces, grasses, forbs and shrubs tolerant of seasonal dryness on nearly level to moderately steep slopes on plains dissected in places by gulches. Climate is warm tropical semiarid and subhumid. Soils are mainly deep, fine textured oxidic soils. Land uses are urban and military.
159A.1	Hawaii humid volcanic ash soils on low and intermediate mountain slopes	Unit has forests, grasses, forbs and shrubs on rolling mountain slopes. Climate is warm to cool tropical, humid and very humid. Soils are deep to very deep, fine textured volcanic ash soils. Land uses are grazing, cropland and forestry.
159A.2	Hawaii humid and very humid volcanic ash soil on low mountain slopes	Unit has forests, grasses, forbs and shrubs on rolling mountain slopes. Climate is warm tropical, humid and very humid with strong trade winds. Soils are deep to very deep, fine textured volcanic ash soils. Land uses are grazing, cropland (horticultural) and forestry
159A.3	Maui humid and very humid volcanic soils on low mountain slopes	Unit has forests, grasses, forbs and shrubs on rolling mountain slopes. Climate is warm tropical, humid and very humid. Soils are deep to very deep, fine textured volcanic ash soils. Land uses are grazing and habitat/watershed.
159B.1	Hawaii subhumid and humid low mountain slopes	Unit has mixed trees, shrubs, grasses and rainforests on dissected mountain slopes on southwestern aspect of Mauna Loa. Climate is warm to cool tropical, subhumid and humid. Slopes are gentle to rolling. Soils are deep, fine textured ash and shallow organic soils. Land uses are grazing, forestry and crops.
160.1	Hawaii and Maui subhumid and humid intermediate and high mountain slopes	Unit has grasses, shrubs and trees on intermediate to high mountain slopes. Climate is cool to warm tropical, subhumid to humid. Slopes are gentle to hilly. Soils are deep, medium and fine textured volcanic ash soils. Land uses are grazing and irrigated truck crops.
160.2	Maui (Lower Kula) subhumid intermediate mountain slopes	Unit has grasses, shrubs and trees on intermediate mountain slopes. Climate is cool to warm tropical, subhumid. Slopes are gentle to hilly. Soils are deep, medium and fine textured volcanic ash soils. Land uses are irrigated cropland and grazing.
161A.1	Hawaii and Maui lava flows and rock outcrops	Unit has drought tolerant grasses, forbs and shrubs on lava flows. Climate is warm to cold tropical, arid and semiarid. Slopes are undulating lava flows to steep cinder cones. Soils are in lava flow fractures and are deep cinders on cones. Land uses are watershed, grazing and resort.
161B.1	Hawaii semiarid and subhumid organic soils on lava flows	Unit has grasses, shrubs and trees on undulating to very steep slopes on leeward Hualalai and Mauna Loa. Climate is warm to cool tropical, semiarid and subhumid. Soils are shallow organic and some volcanic ash. Land uses are grazing, orchards and urban or resort along coast.
162.1	Hawaii humid and very humid organic soils on lava flows	Unit has rainforests, grasses, ferns and shrubs on undulating to very steep lava flows. Climate is warm to cool tropical, humid and very humid. Soils are shallow and organic. Land uses are grazing, ornamentals, orchards and urban.

Hawaii CRAs

CRA #	CRA Name	CRA Description
163.1	Maui and Oahu alluvial fans and coastal plains	Unit has impervious surfaces, grasses, forbs and shrubs on alluvial fans and coastal plains. Climate is warm tropical, arid to subhumid. Slopes are nearly level to gentle. Soils are shallow to very deep, fine textured alluvial soils. Land uses are military and urban.
163.2	Kauai, Maui and Oahu alluvial fans and coastal plains	Unit has drought tolerant grasses, forbs and shrubs on alluvial fans and coastal plains. Climate is warm tropical, arid and semiarid. Slopes are nearly level to gentle. Soils are very deep, fine textured alluvial soils. Land uses are grazing, irrigated cropland and urban.
164.1	Kauai, Oahu, Hawaii, Maui, Molokai humid steep mountain slopes	Unit dominated by naturalized and native forest and small areas of montane bogs, grasses, forbs and shrubs on plateaus, steep mountain slopes and canyons. Climate is cool to warm tropical, subhumid and humid. Soils are shallow to deep fine textured soils. Land uses are grazing, watershed, wildlife habitat.
165.1	Kauai, Molokai and Oahu subhumid intermediate mountain slopes	Unit has grasses, shrubs and trees on rolling to steep mountain slopes. Climate is warm to cool tropical, subhumid. Soils are shallow to deep and fine textured. Land uses are watershed, wildlife habitat and grazing.
166.1	Oahu very stony land and rock land	Unit has drought tolerant grasses, forbs and shrubs on moderately dissected slopes and coastal valleys. Climate is warm tropical, arid and semiarid. Slopes are gentle to steep. Soils are shallow to deep medium and fine textured. Land uses are urban and watershed.
166.2	Kauai, Kahoolawe, Lanai, Maui, Niihau very stony and rock land	Unit has drought tolerant grasses, forbs and shrubs on moderately dissected slopes and canyons. Climate is warm tropical, arid and semiarid. Slopes are gentle to steep. Soils are non-existent to deep and fine textured. Land uses are watershed, cultural preserve and wildlife habitat.
167.1	Kauai and Oahu humid oxidic soils on low mountain slopes	Unit has grasses, forbs, shrubs and trees on rolling mountain slopes and coastal valleys and plains. Climate is warm tropical, subhumid and humid. Slopes are nearly level to moderately steep. Soils are moderately deep to very deep, fine textured. Land uses are grazing, irrigated cropland and urban.
167.2	Oahu and Maui subhumid oxidic and alluvial soils on hills and coastal plains	Unit has grasses, forbs, shrubs and trees on hills and coastal plains. Climate is warm tropical, subhumid with strong tradewinds. Slopes are nearly level to moderately steep. Soils are moderately deep to very deep fine textured. Land uses are grazing, irrigated cropland, habitat and urban.
167.3	Kauai and Oahu humid oxidic soils on low rolling mountain slopes	Unit has grasses, forbs, shrubs and trees on intermediate mountain slopes. Climate is warm tropical subhumid. Slopes are rolling to moderately steep. Soils are deep fine textured and oxidic. Land uses are grazing, cropland and wildlife habitat.