U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

GENERALIZED SOIL MAP
HAWAIIAN ISLANDS

HAWAII AGRICULTURAL EXPERIMENT STATION

LEGEND

N - LOW HUMIC LATOSOLS

Molokai family, normal phases N1
Molokai family, eroded phases N1E
Molokai family, shallow and stony phases N1S
Molokai family, very shallow phases over lava N1V
Molokai family, very shallow phases over coral N1C
Lahaina family, normal phases N2
Lahaina family, eroded phases N2E
Lahaina family, shallow and stony phases N2S
Lahaina family, very shallow phases N2V
Molokai and Lahaina families, stony phases ..... NS
Wahiawa family, normal phases N3
Kahana family, normal phases N4
Kahana family, normal phases in dissected areas N4D
Kahana family, eroded phases N4E
Kahana family, shallow and stony phases N4S
Kohala family, normal phases N5
Kohala family, normal phases in dissected areas N5D
Kohala family, eroded phases N5E
Kohala family, moderately steep eroded phases N5M
Waialua family, normal phases N6
Waimanalo family, normal phases N7

A - HUMIC LATOSOLS

Kaneohe family, normal phases A1
Kaneohe family, normal phases in dissected areas A1D
Kaneohe family, shallow and stony phases A1S
Honolua family, normal phases A2
Honolua family, normal phases in dissected areas A2D
Honolua family, moderately steep eroded phases A2M
Honolua family, shallow and stony phases A2S
Paauhau family, normal phases A4
Ookala family, normal phases A5
Kapoho family, normal phases A9
Kapoho family, shallow and stony phases A9S
Kapoho family, very shallow phases A9V

K - HYDROL HUMIC LATOSOLS

Koolau family, undifferentiated K3
Koolau family, undifferentiated in dissected areas K3D
Hilo family, normal phases K6
Hilo family, shallow and stony phases K6S
Hilo family, very shallow phases K6V
Honokaa family, normal phases K7
Honokaa family, moderately steep phases K7M
Honokaa family, shallow and stony phases K7S
Akaka family, normal phases K8
Akaka family, shallow and stony phases K8S
Akaka family, very shallow phases K8V
Kealakekua family, normal phases K10
Kealakekua family, very shallow phases K10V

T - HUMIC FERRUGINOUS LATOSOLS

Mahana family, normal phases T1
Mahana family, eroded phases T1E
Naiwa family, normal phases T2
Naiwa family, normal phases in dissected areas T2D
Naiwa family, eroded phases T2E
Haiku family, normal phases T3
Haiku family, eroded phases T3E
Haiku family, moderately steep eroded phases T3M
Puhi family, normal phases T4
Puhi family, eroded phases T4E
Manana family, normal phases T5

RD - RED DESERT SOILS

Kawaihae family, normal phases ..... RD
Kawaihae family, shallow and stony phases ..... RDS
Kawaihae family, very shallow phases ..... RDV

RB - REDDISH BROWN SOILS

Waikaloa family, normal phases ..... RB
Waikaloa family, shallow and stony phases ..... RBS
Waikaloa family, very shallow phases ..... RBV

C - REDDISH PRAIRIE SOILS

Pahala family, normal phases C1
Pahala family, shallow and stony phases C1S
Waimea family, normal phases C2
Waimea family, shallow and stony phases C2S
Waimea family, very shallow phases C2V
Naalehu family, normal phases C3
Naalehu family, shallow and stony phases C3S

F - LATOSOLIC BROWN FOREST SOILS

Hanipoe family, normal phases F1
Hanipoe family, shallow and stony phases F1S
Hanipoe family, very shallow phases F1V
Puu Oo family, normal phases F2
Puu Oo family, shallow and stony phases F2S
Puu Oo family, very shallow phases F2V
Maile family, normal phases F3
Maile family, moderately steep phases F3M
Maile family, shallow and stony phases F3S
Maile family, very shallow phases F3V
Olinda family, normal phases F4
Olinda family, shallow and stony phases F4S
Olinda family, very shallow phases F4V

H - GRAY HYDROMORPHIC SOILS AND P - PADDY SOILS

Honouliuli family, normal phases H1
Kalihi family, normal phases H2
Kaloko family, normal phases H3
Hauula paddy soils ..... P

Bg - BOG SOILS

Alakai peat Bg1
Lowland peat and muck Bg2

M - DARK MAGNESIUM CLAYS

Lualualei family, undifferentiated ..... M

V - ALLUVIAL SOILS AND S - SOLONCHAK

Kawaihapai family, normal phases V1
Kawaihapai family, stony phases V1S
Hanalei family, normal phases V2
Hanalei family, stony phases V2S
Salty soils, undifferentiated ..... S

R - REGOSOLS

Haleakala family, undifferentiated R1
Manu family, undifferentiated R2

L - LITHOSOLS

Rough broken land, residual material L1
Rough broken land, alluvial material L1A
Rockland, with very thin weathered lava L2
Rockland, young lavas essentially unweathered L2L
Rockland, with a very thin covering of volcanic ash L2A
Rockland, coral L2C

ML - MADE LAND

Made Land ..... ML

"Dissected areas" are gently sloping to level areas cut deeply by almost vertically incised waterways leaving smooth-land remnants that range from a few tens to several hundreds of yards in width.

CONVENTIONAL SIGNS

Good motor road
Poor motor road
Trail
Railroad
Triangulation station
Lighthouse
Perennial stream
Intermittent stream
Swamp
Breakwater
Reservation boundary

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Polyconic projection, Hawaiian datum.
Map prepared from base by Corps Engineers, U. S. Army.