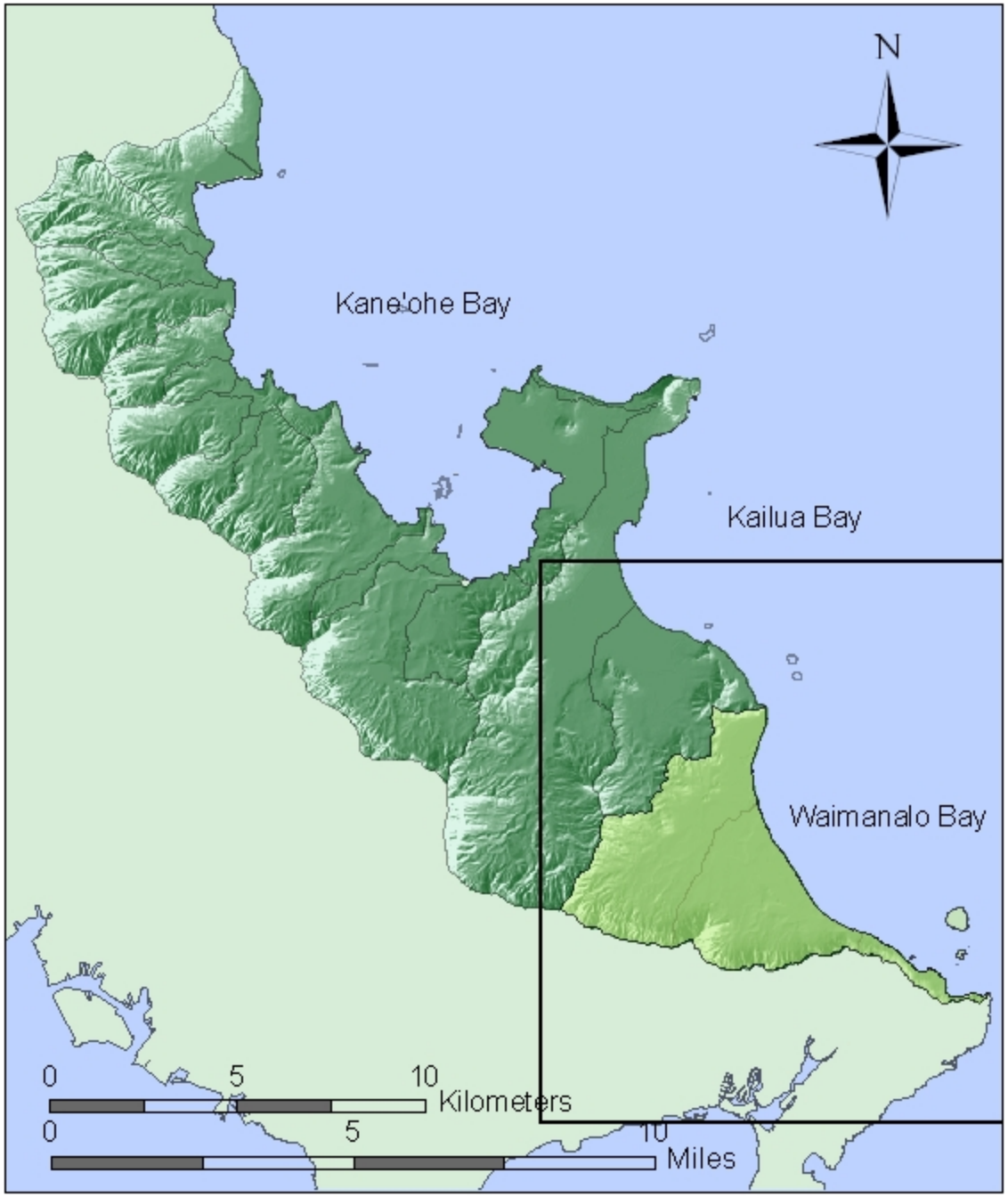
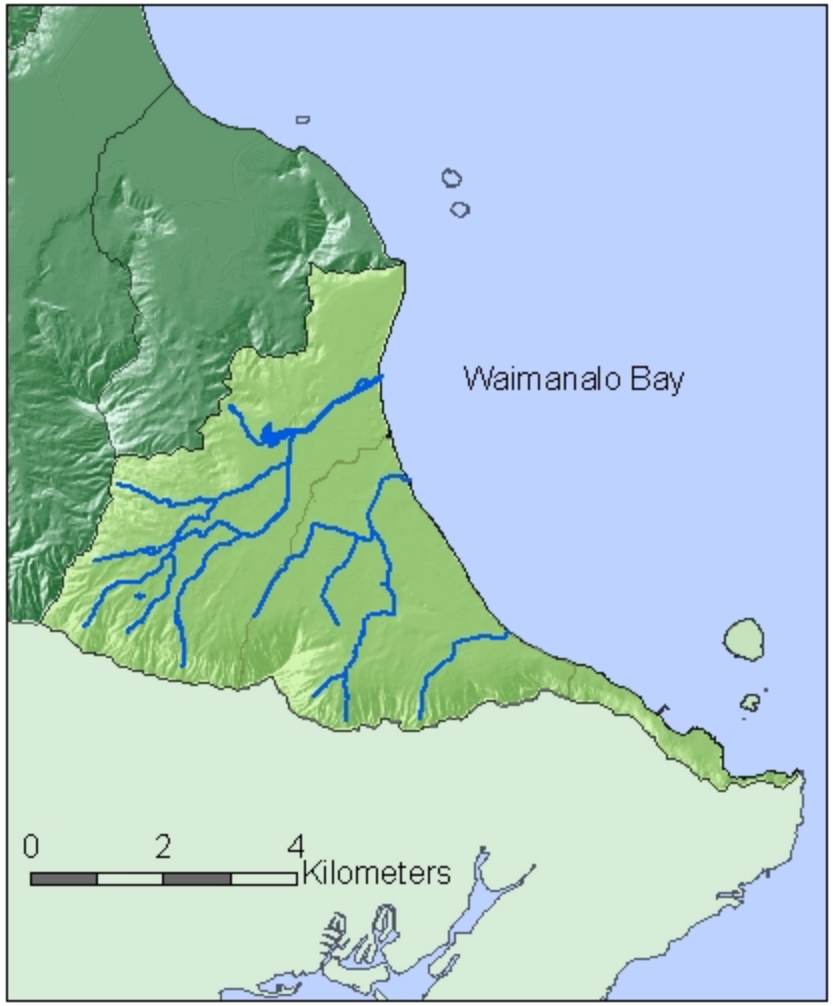
Ko'olaupoko Moku: Waimanalo

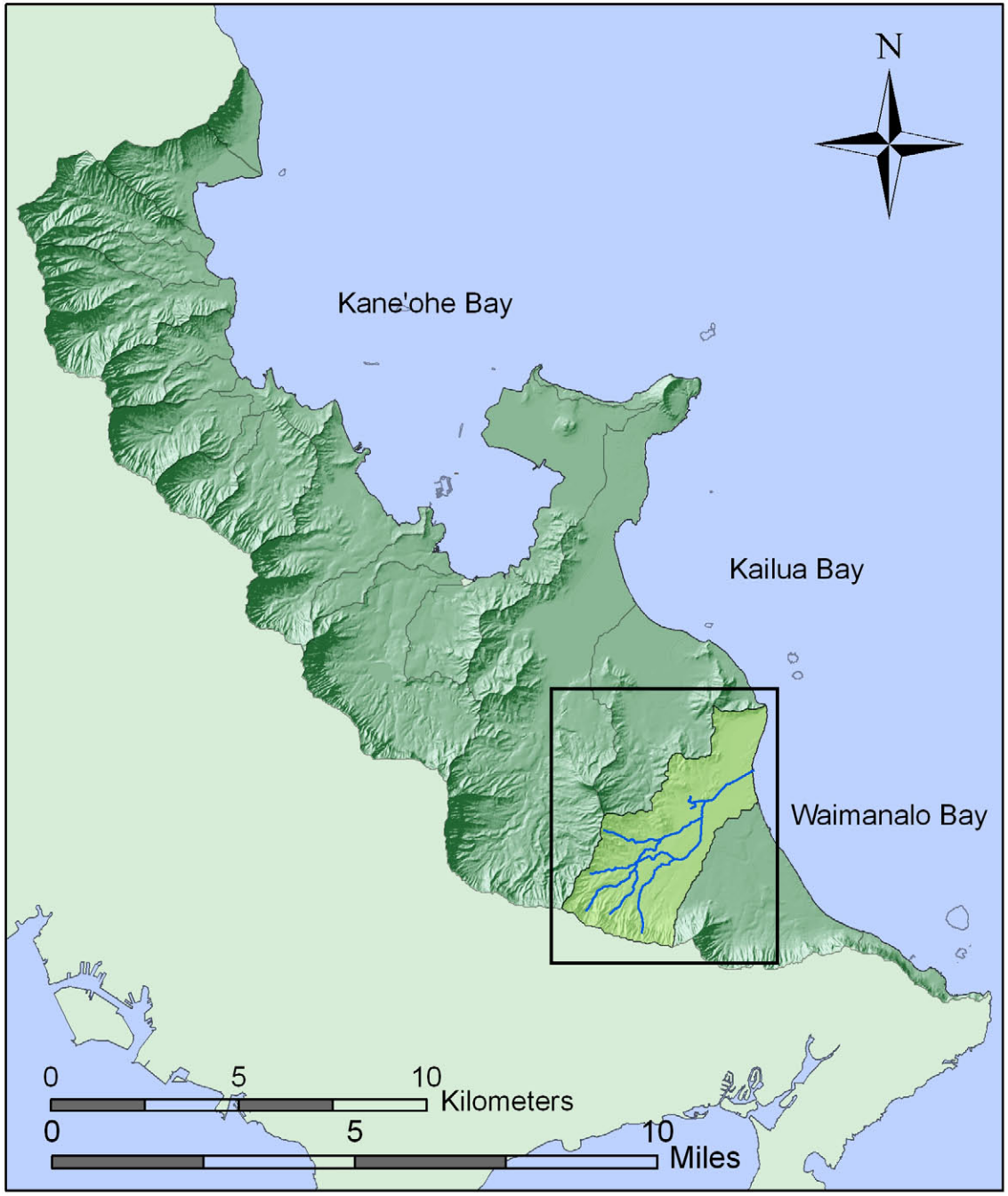


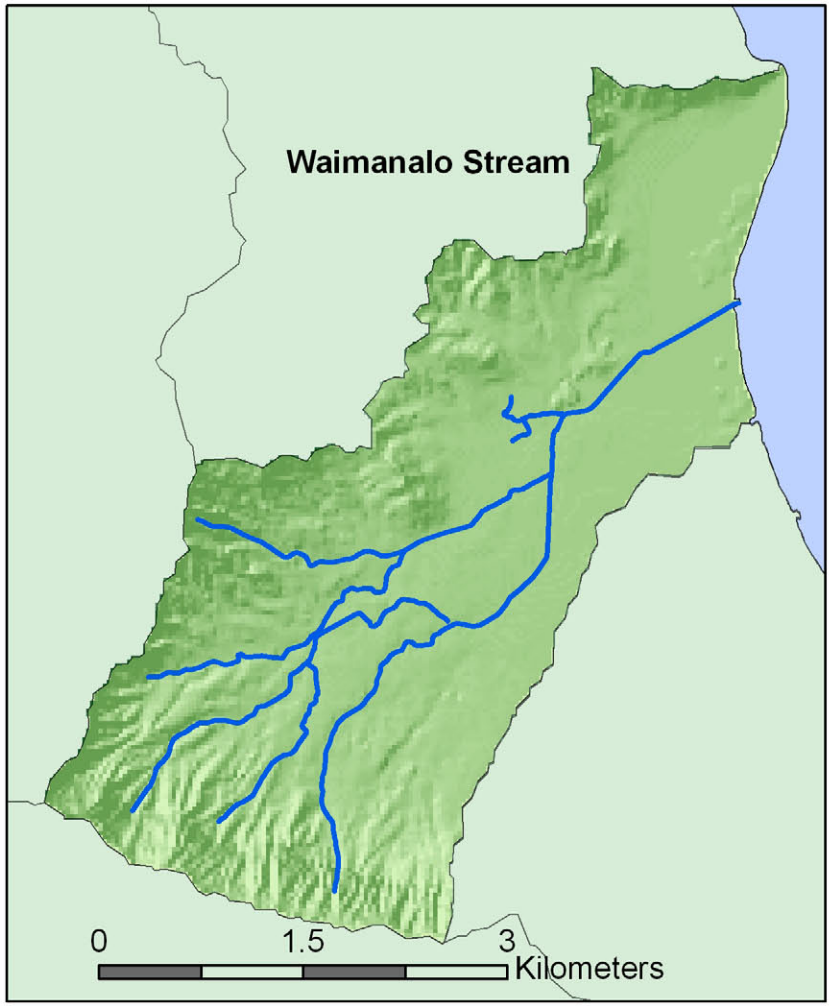


Oahu

Map Created by:
KBAC
Christina Speed
February 2007

Ko'olaupoko Moku: Waimanalo Watershed

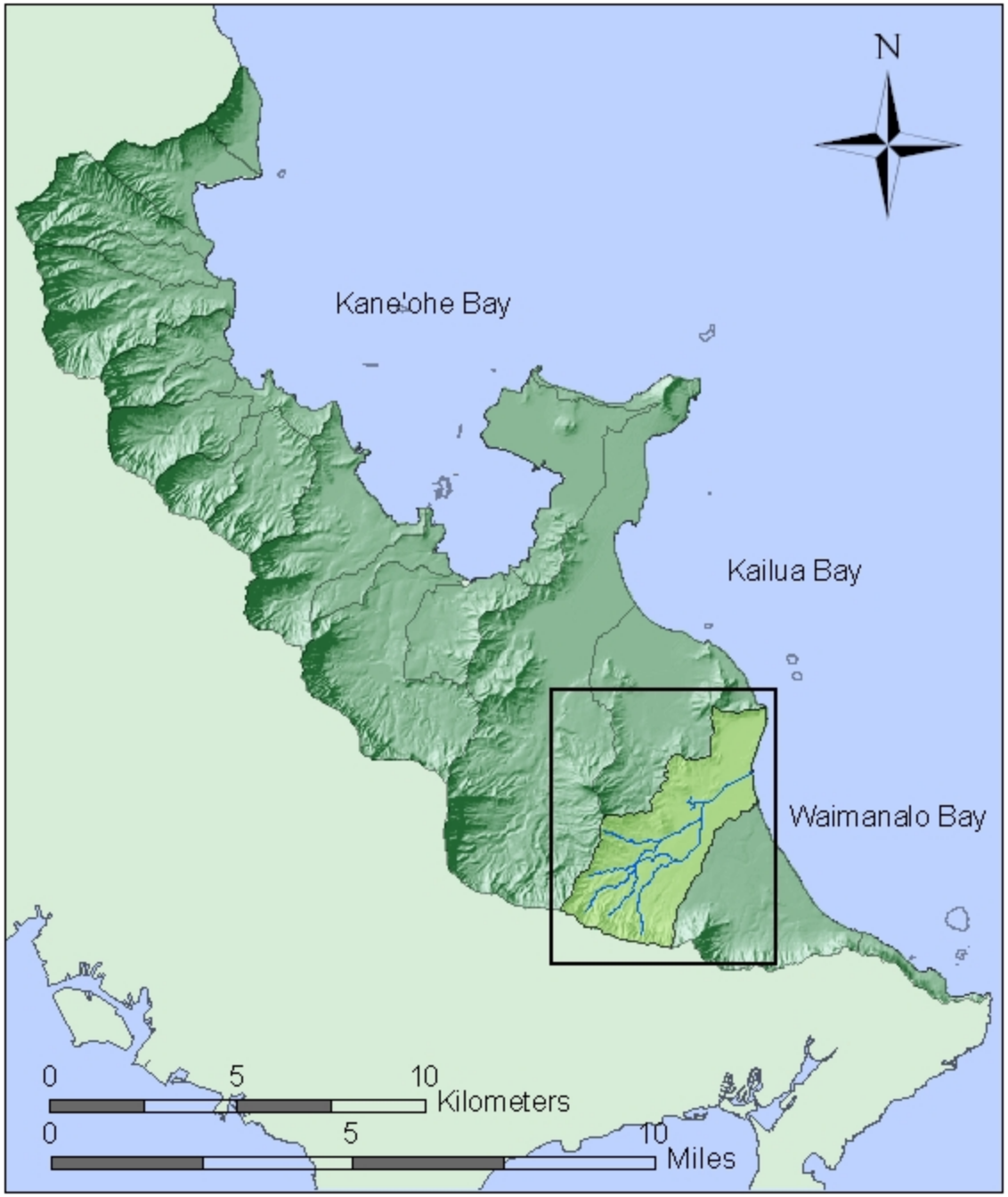


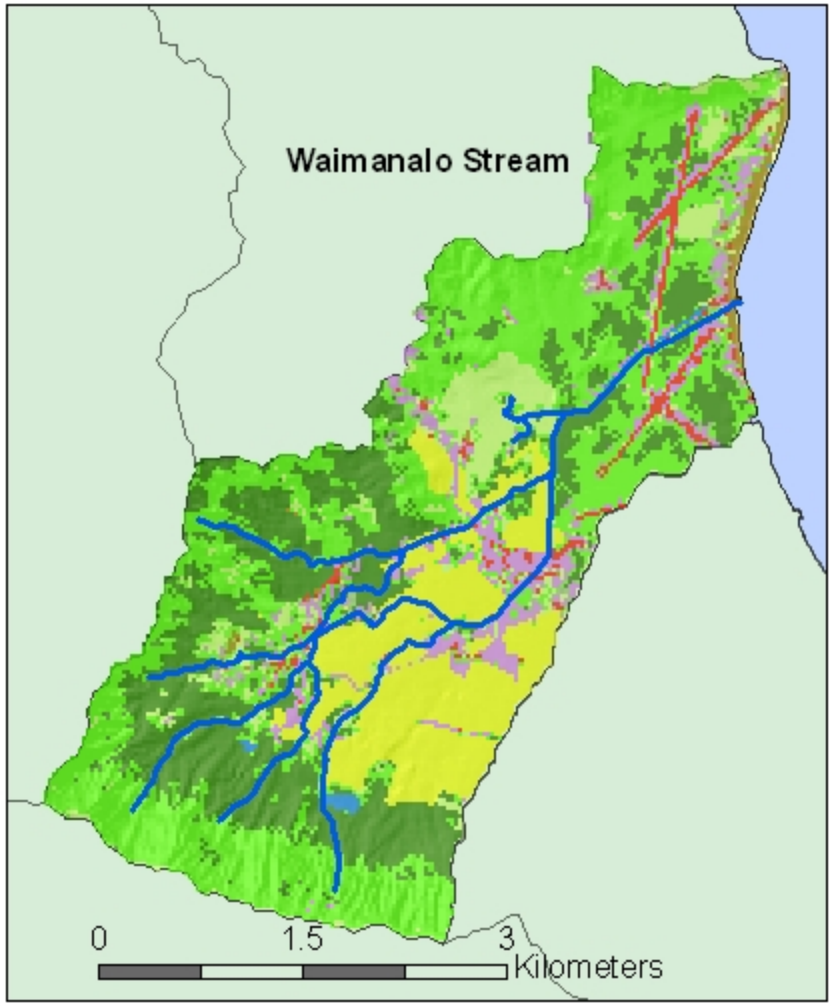


Oahu

Map Created by:
KBAC
Christina Speed
August 2006

Ko'olaupoko Moku: Waimanalo Watershed



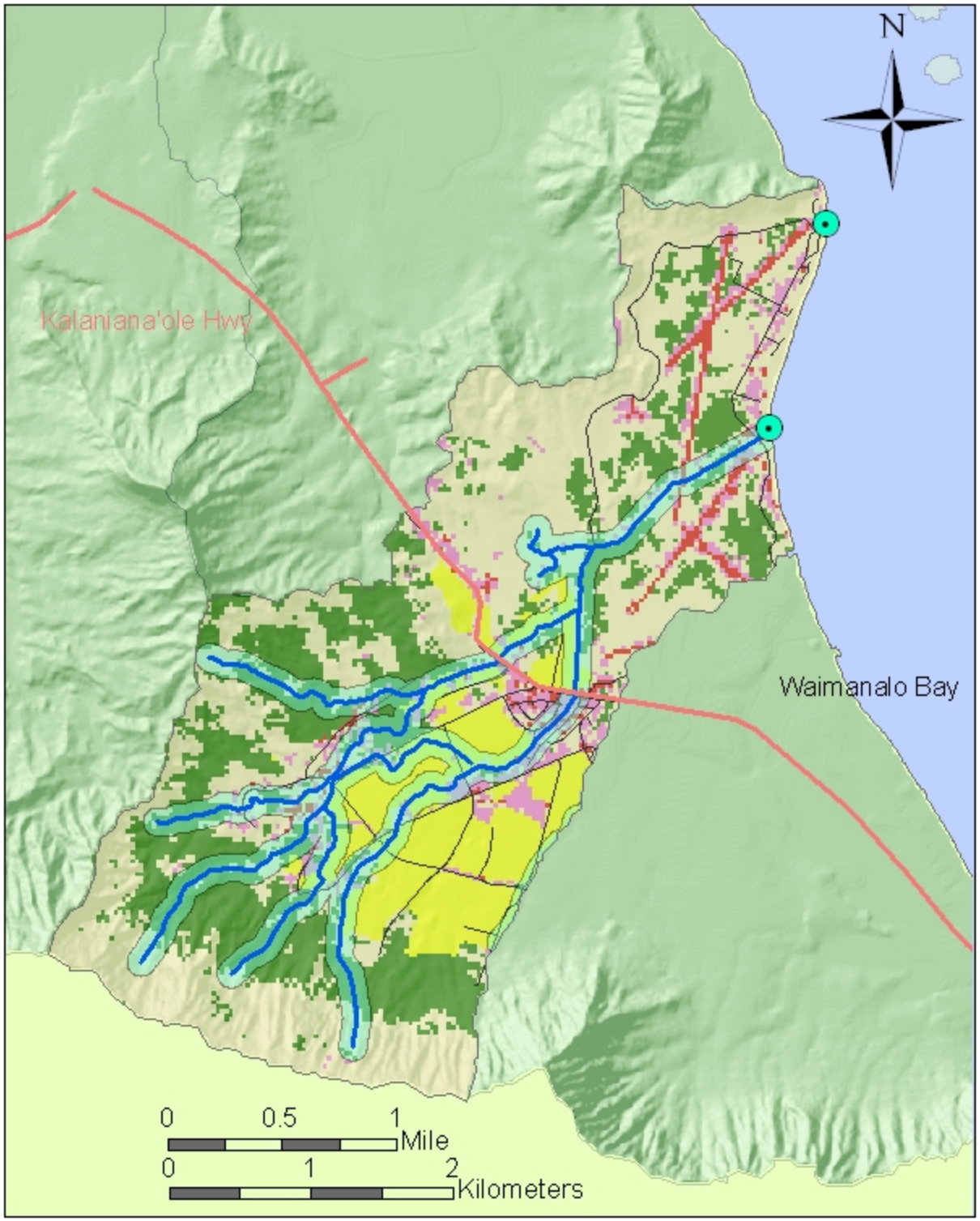


Legend

- Streams
- High Intensity Development
- Low Intensity Development
- Cultivated Land
- Grassland
- Evergreen Forest
- Scrub/Shrub
- Unconsolidated Shore
- Bare Land
- Water

Data Source: C-CAP

Map Created by:
KBAC
Christina Speed
May 2007



Waimanalo Watershed: Land Use

Data Source: C-CAP

Within 100 meters of Waimanalo Stream

Land Use	Total Area of Land Use (HA)	Area (HA) within 100 meters	% within 100 meters
High Intensity Development	36.63	7.29	19.90%
Low Intensity Development	104.04	30.42	29.24%
Agricultural Lands	225.54	71.64	31.76%
Wetlands	N/A	N/A	N/A
Forested Lands	412.2	119.25	28.93%
Other	755.64	107.55	14.23%

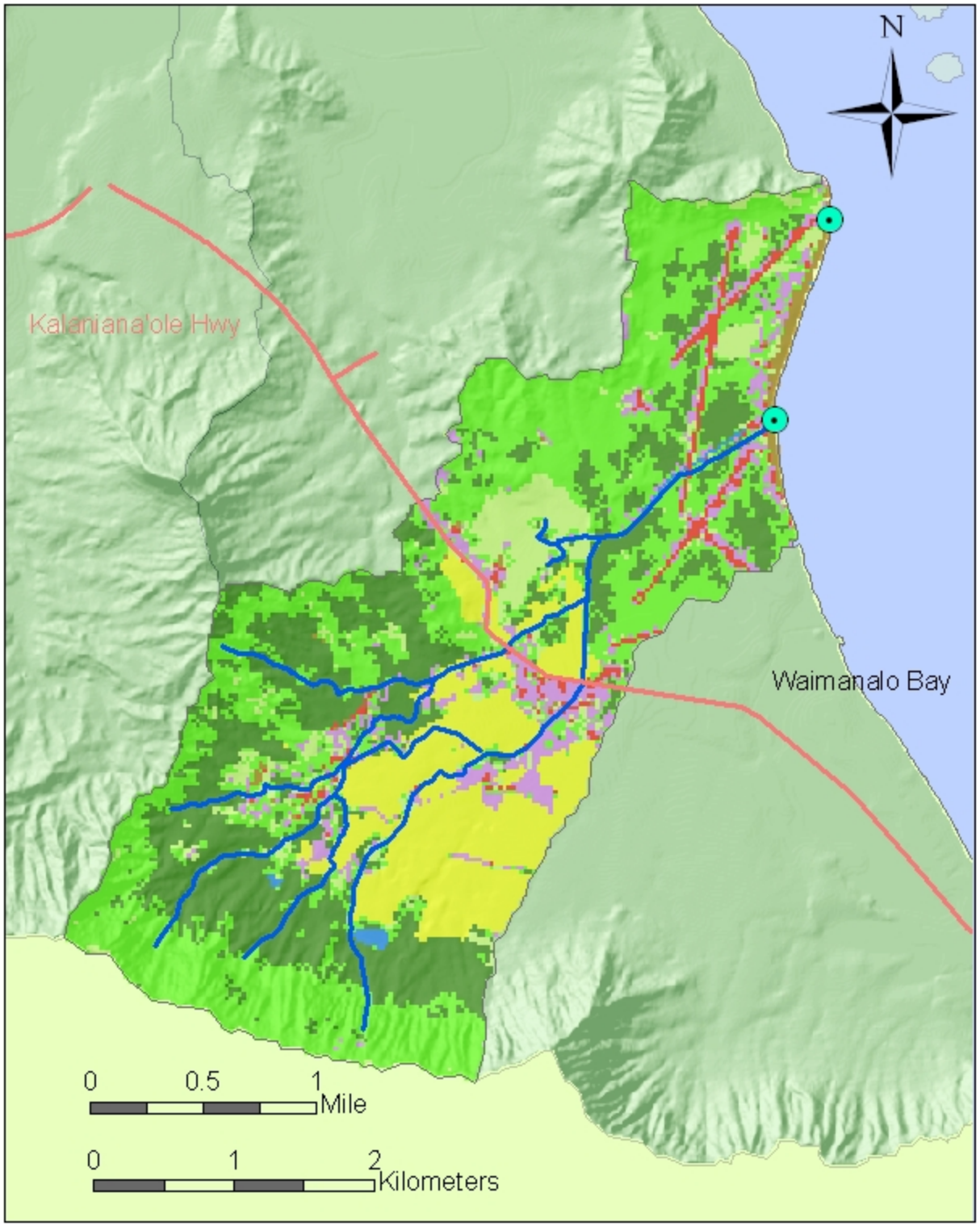
Legend

- Water Quality Monitoring Stations (DOH)
- Waimanalo Stream
- Streets
- 100 m Buffer
- High Intensity Development
- Low Intensity Development
- Cultivated Land
- Forest
- Other

Map Created by:
KBAC
Christina Speed
August 2006

Waimanalo Watershed: Land Use/Land Cover

Data Source: C-CAP

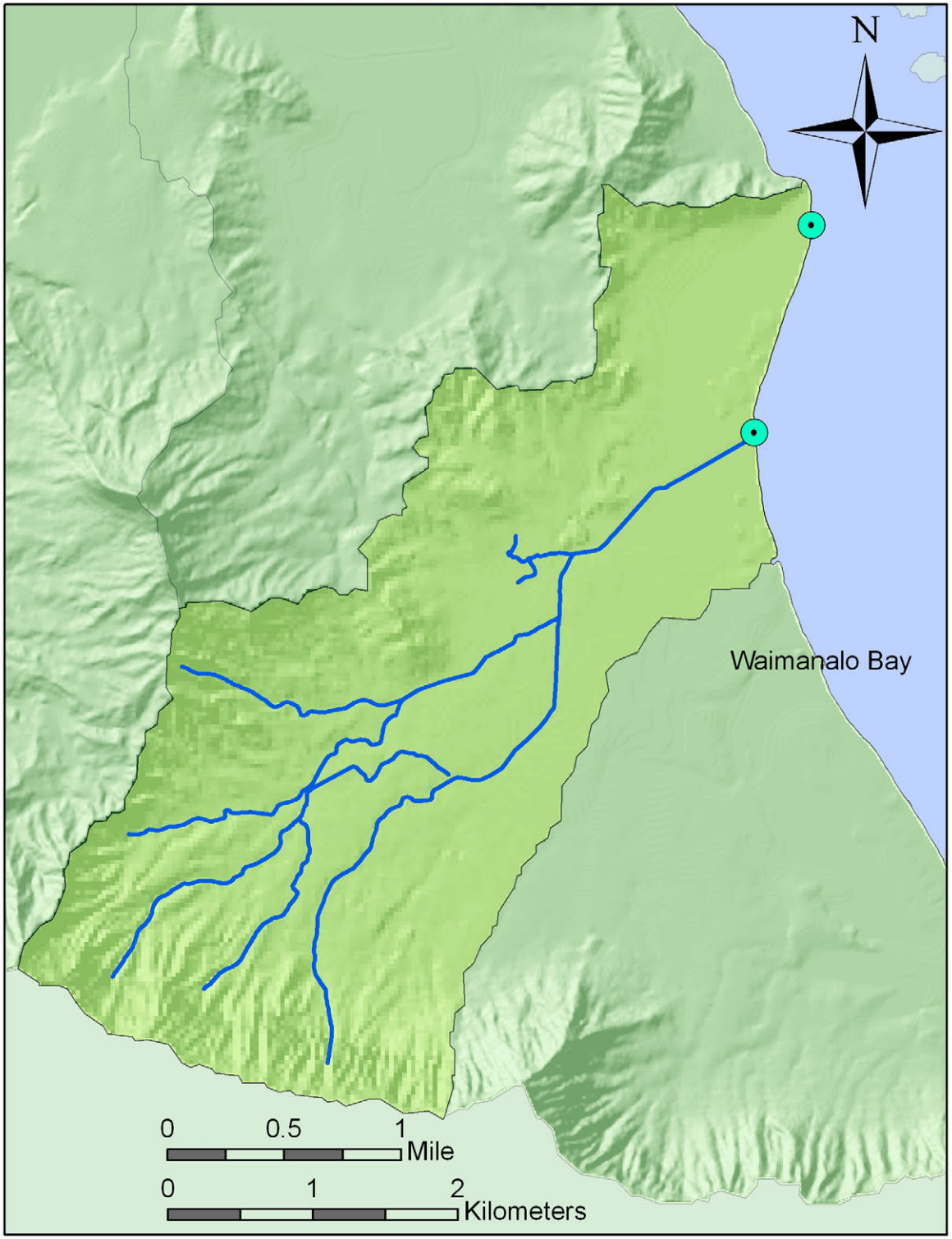


Total Area of Watershed:
1,533 hectares
3,789 acres

Legend

- Water Quality Monitoring Stations (DOH)
- Waimanalo Stream
- High Intensity Development
- Low Intensity Development
- Cultivated Land
- Grassland
- Evergreen Forest
- Scrub/Shrub
- Unconsolidated Shore
- Bare Land
- Water

Map Created by:
KBAC
Christina Speed
August 2006



Waimanalo Watershed: Stream Description

303d Status:
TMDLs in 2001
Pollutants: Nutrients, Turbidity, SS

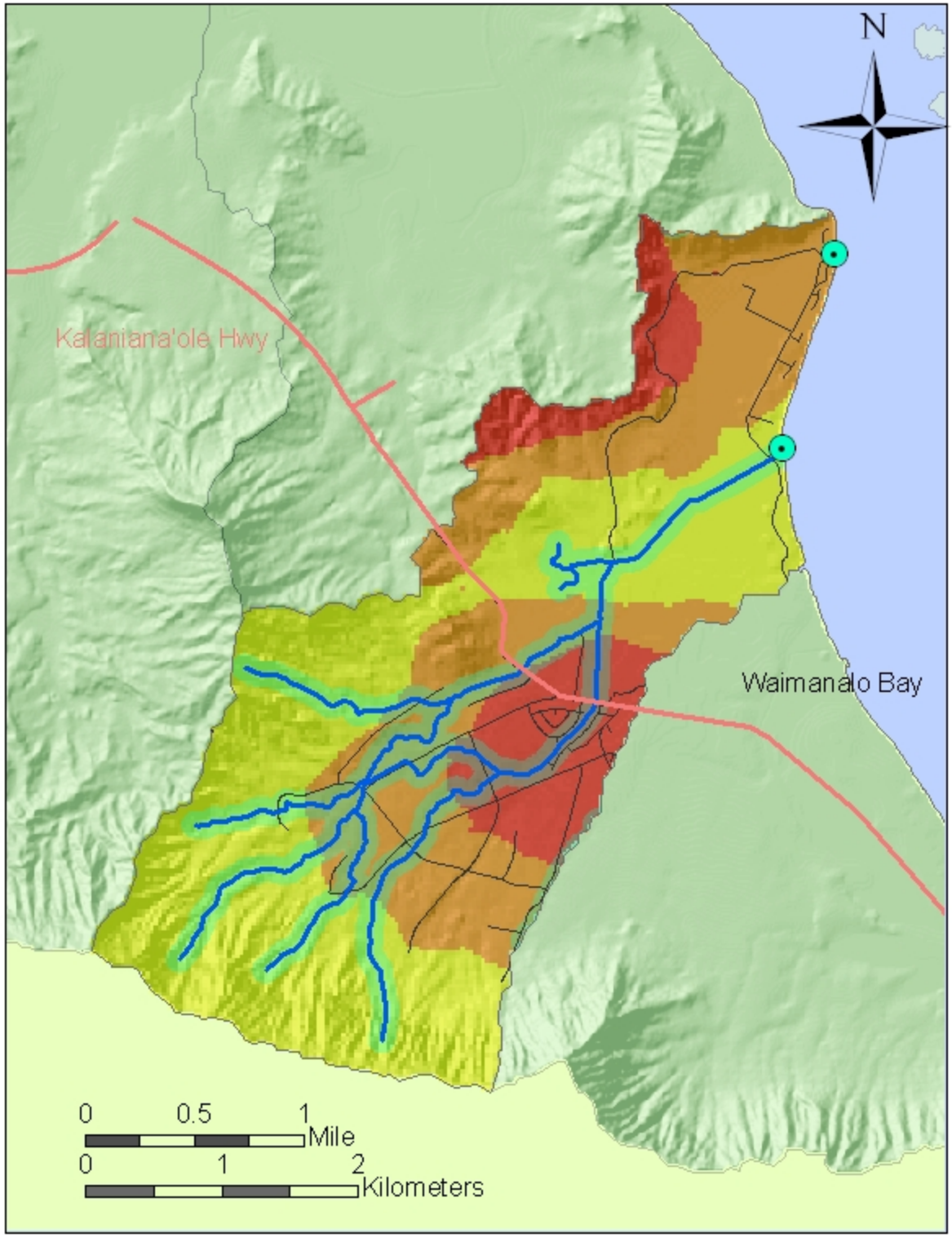
Total Length:
10.7 miles
17,181 m

Legend

- Water Quality Monitoring Stations (DOH)
- Waimanalo Stream

Map Created by:
KBAC
Christina Speed
August 2006

Waimanalo Watershed: Streets



Average Street Density in Watershed:
21 meters / hectare

Total Length:
31,580 meters of road

Total Length Within a Specified Distance:
100m: 20,036 m
50m: 15,064 m
20m: 10,936 m

Legend

- Water Quality Monitoring Stations (DOH)
- Waimanalo Stream
- Streets
- Distance 100 m

Street Density

- Low
- Medium
- High

Map Created by:
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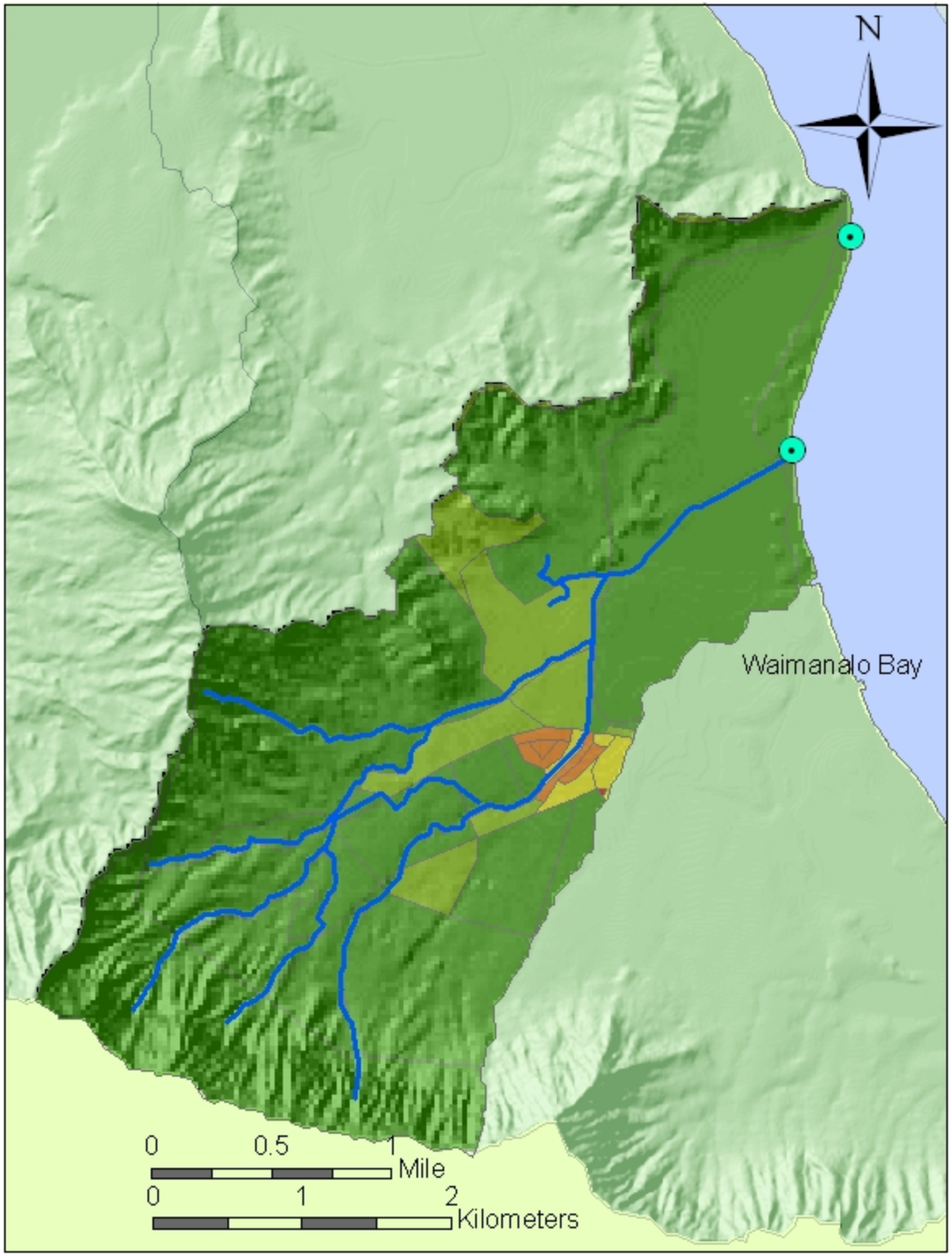
Christina Speed
August 2006

Waimanalo Watershed: Population Density



Total Population: 6,642 people
U.S. Census 2000

Legend

Water Quality Monitoring Stations (DOH)

Waimanalo Stream

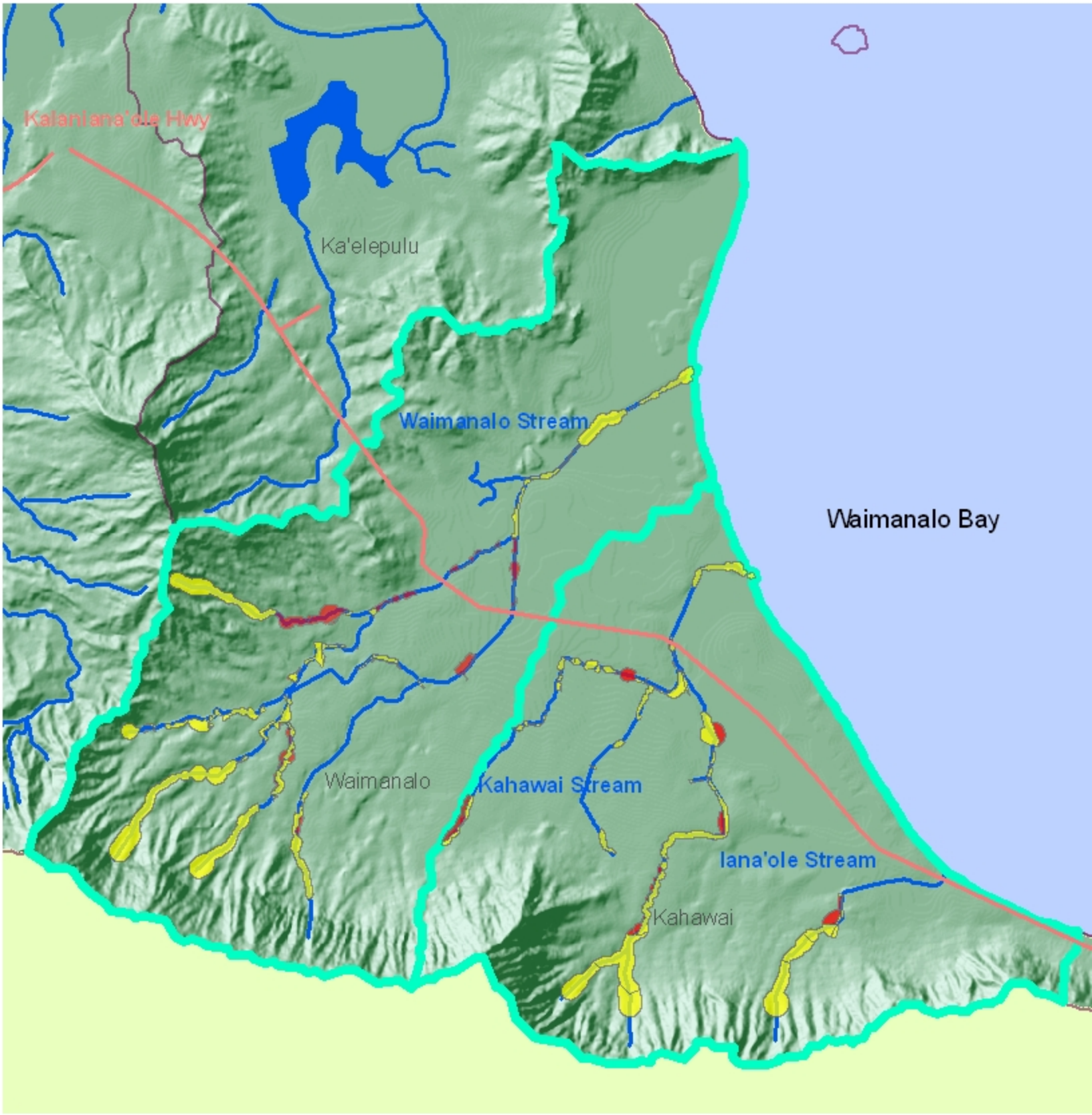
Density:

people/hectare

- 0-5
- 6-16
- 17-42
- 43-106
- 107-297

Map Created by:
KBAC
Christina Speed
August 2006

Waimanalo: Restoration and Preservation Opportunities



0 1 2 Miles

Legend

- Streams
- Preserve (239 acres/97 hectares)
- Restore (44 acres/18 hectares)

Map Created by:
KBAC
Christina Speed
May 2007