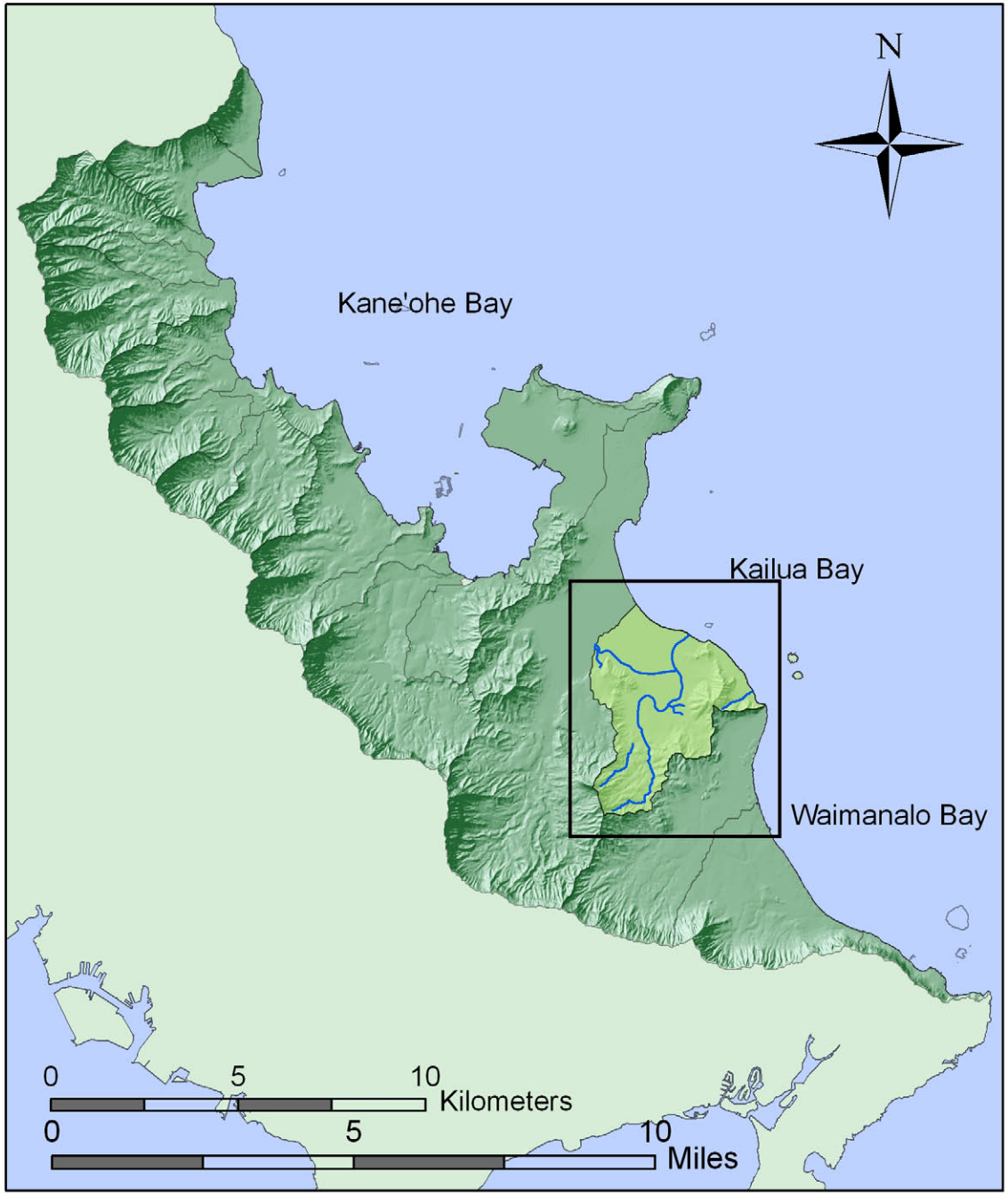
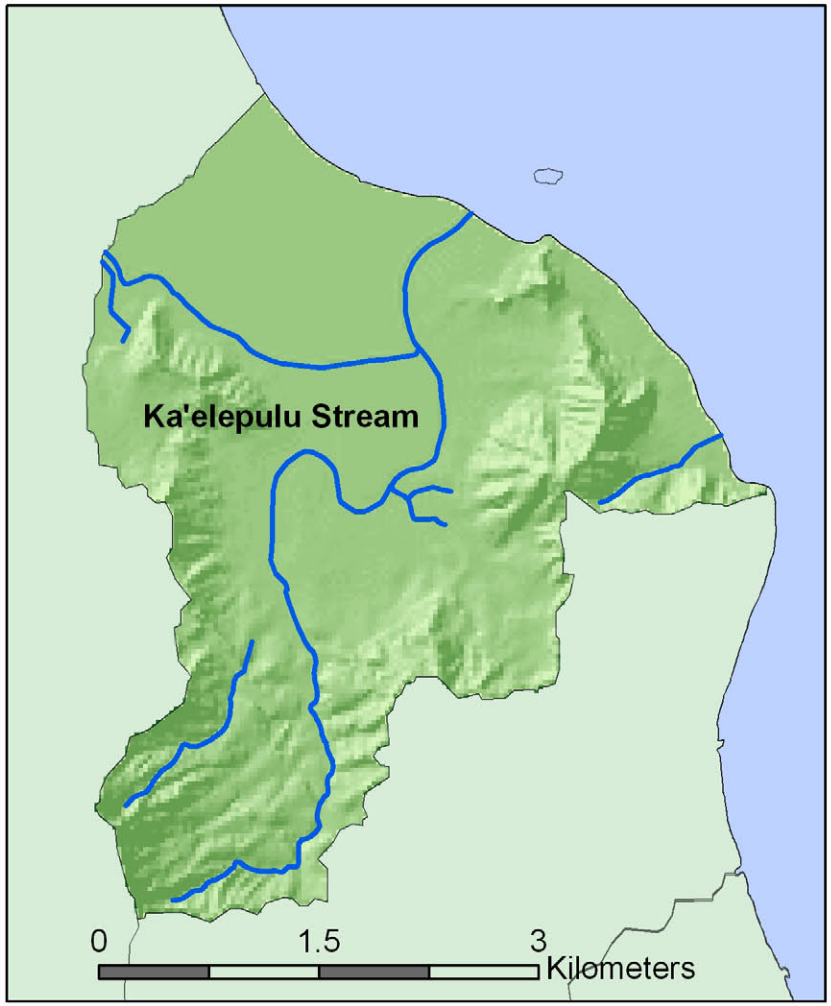
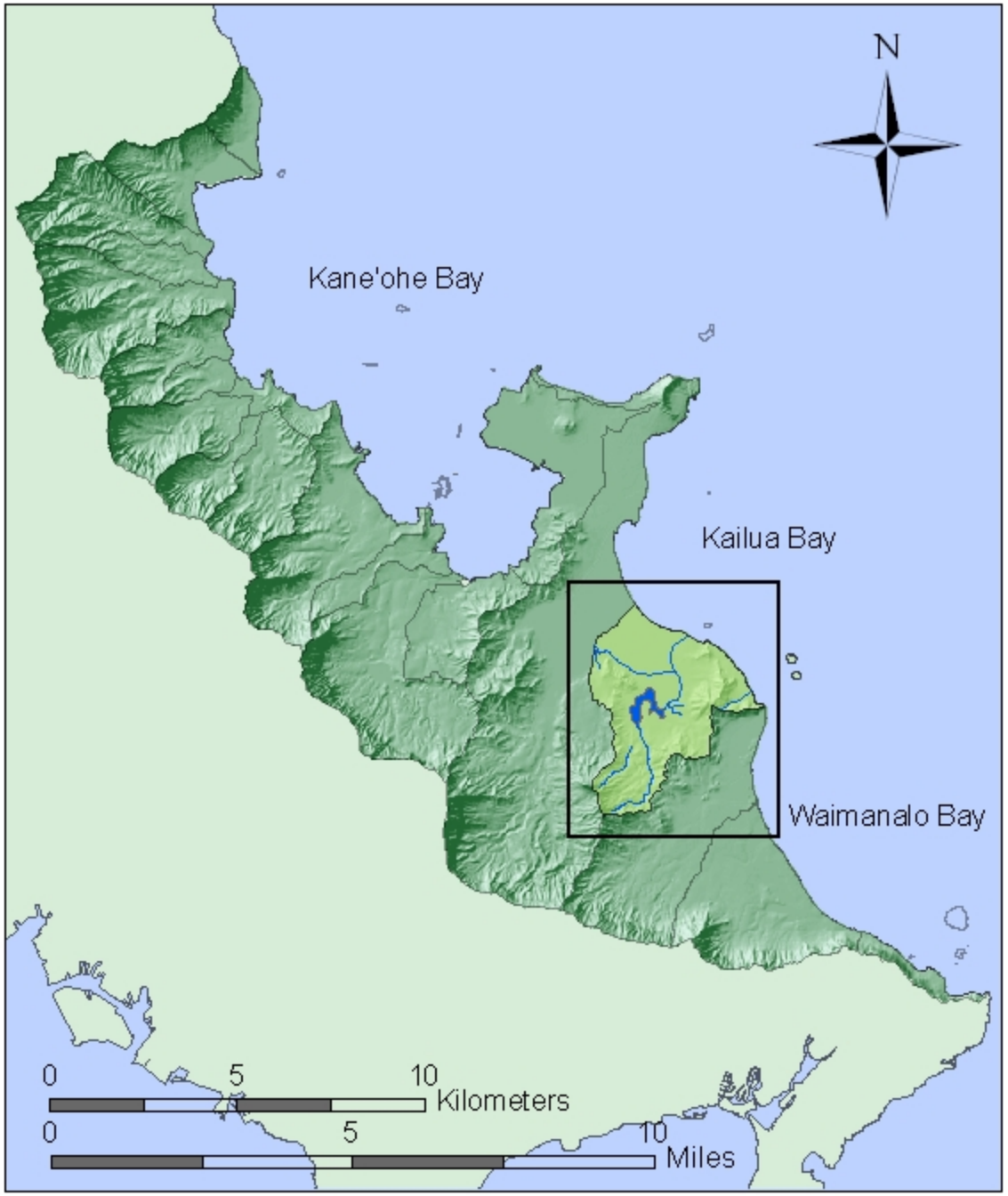
Ko'olaupoko Moku: Ka'elepulu Watershed

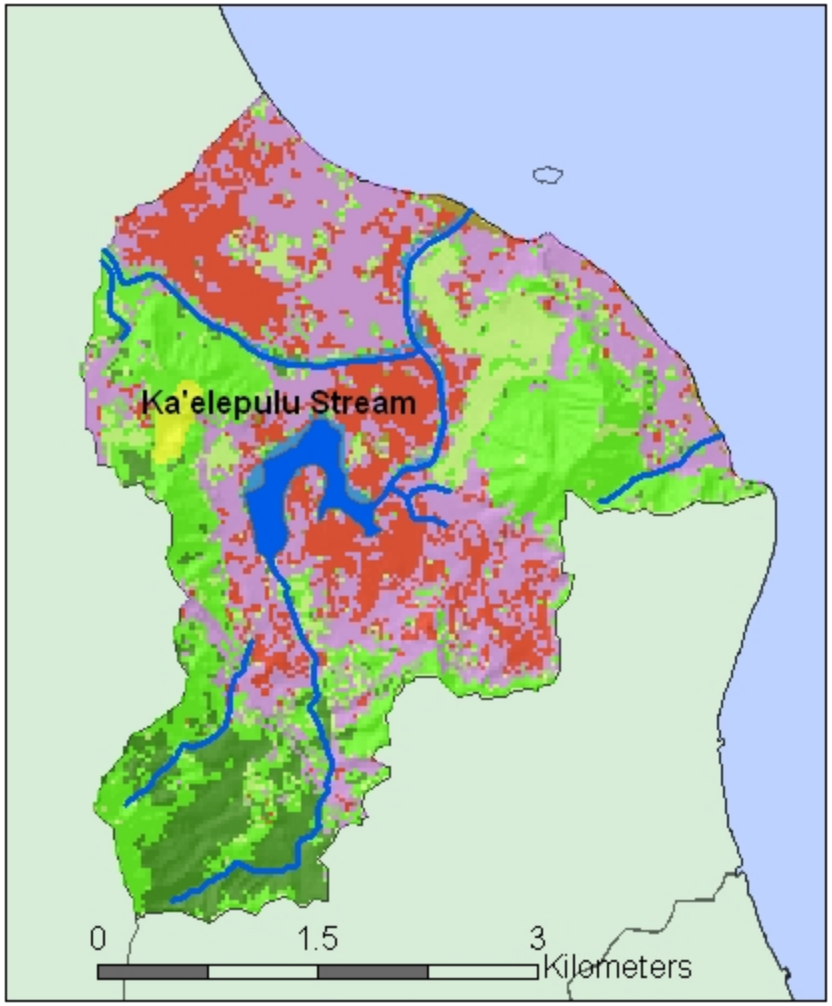




Map Created by:
KBAC
Christina Speed
August 2006

Ko'olaupoko Moku: Ka'elepulu Watershed



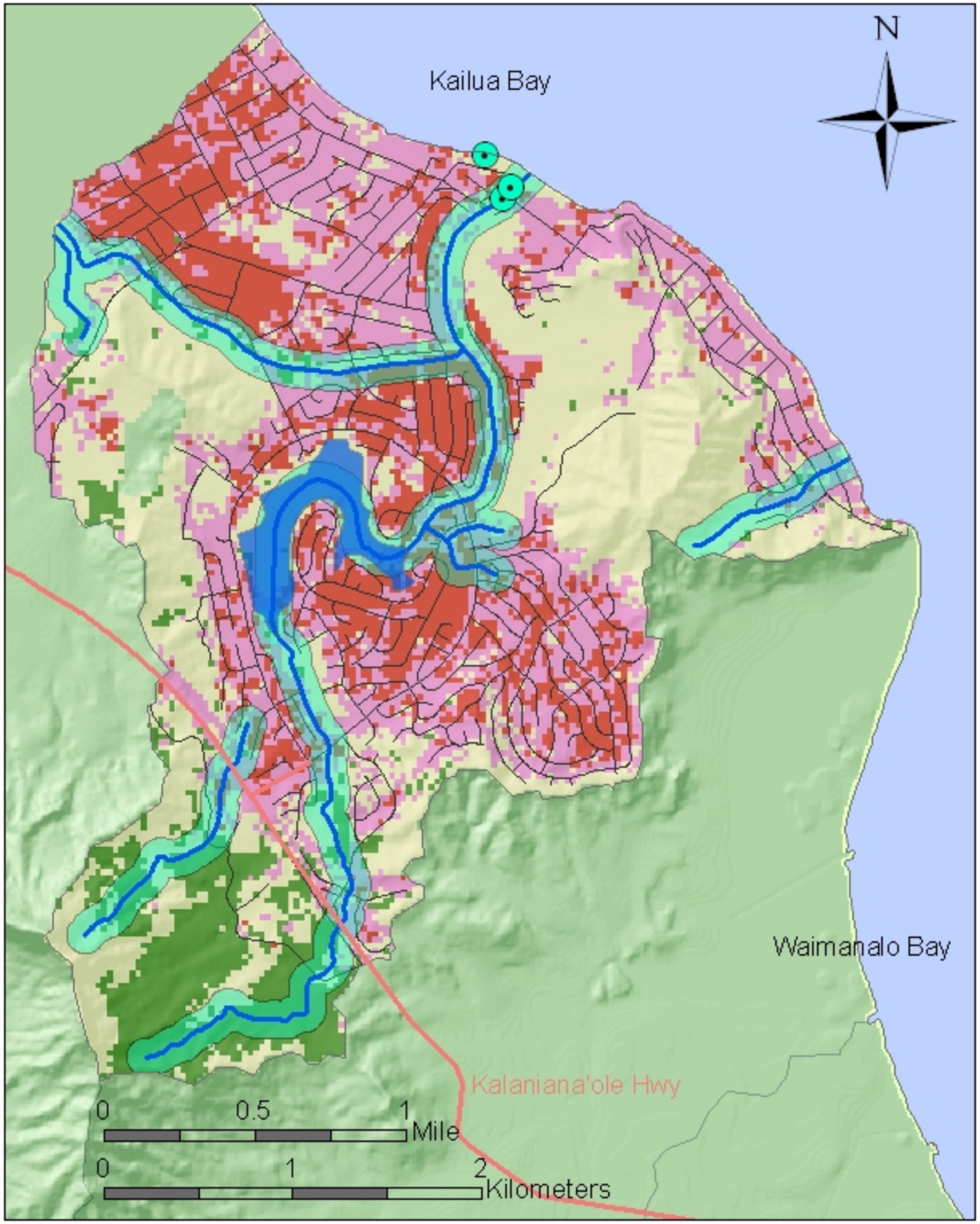


Legend

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

Data Source: C-CAP

Map Created by:
KBAC
Christina Speed
May 2007



Ka'elepulu Watershed: Land Use

Data Source: C-CAP

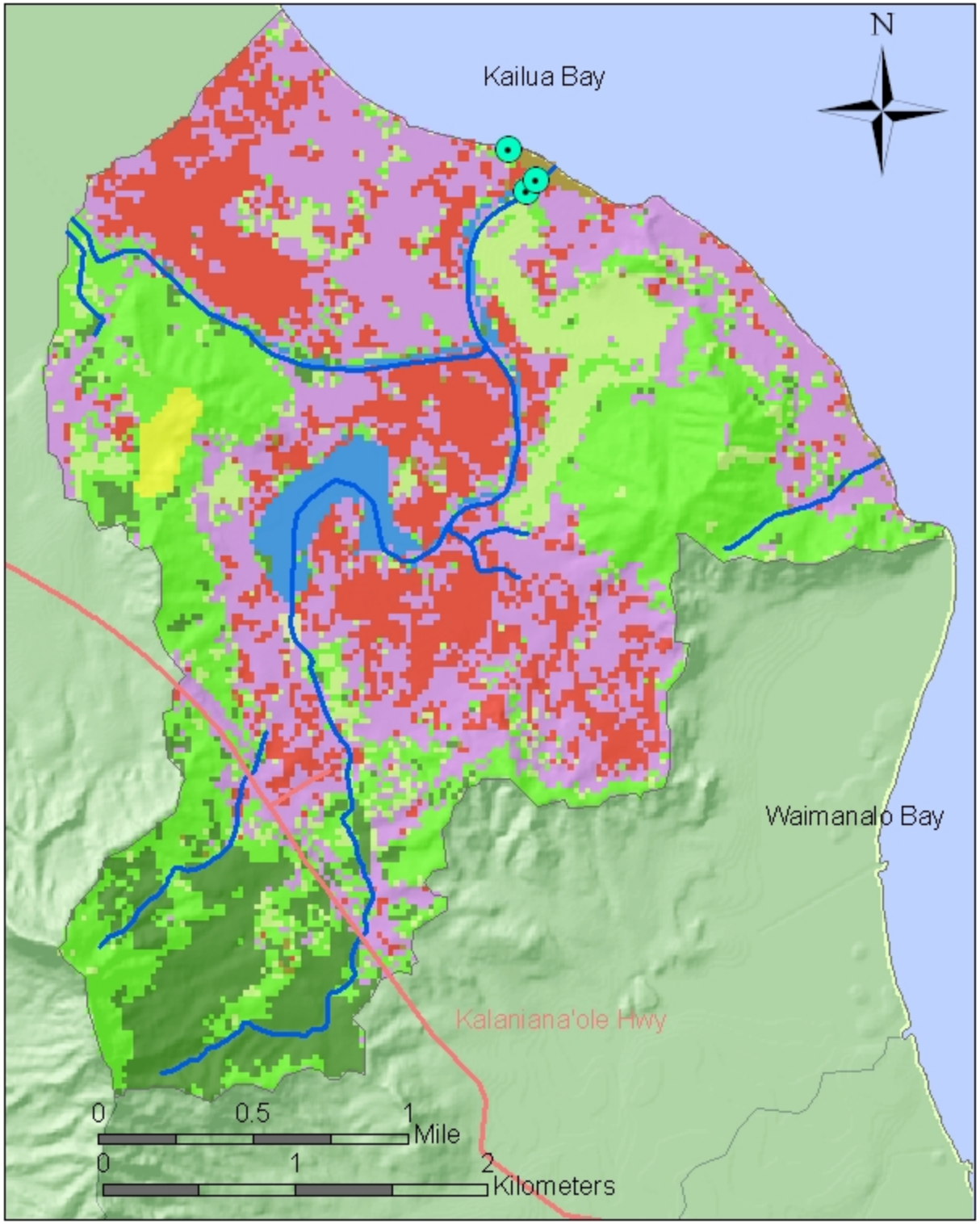
Within 100 meters of Ka'elepulu Stream

Land Use	Total Area of Land Use (HA)	Area (HA) within 100 meters	% within 100 meters
High Intensity Development	256.86	39.51	15.38%
Low Intensity Development	446.22	68.22	15.29%
Agricultural Lands	12.06	N/A	N/A
Wetlands	1.89	1.53	80.95%
Forested Lands	134.64	47.25	35.09%
Other	557.55	120.42	21.60%

Legend

- Water Quality Monitoring Stations (DOH)
- Ka'elepulu Streams
- Streets
- 100 m Buffer
- High Intensity Development
- Low Intensity Development
- Forest
- Wetlands
- Other

Map Created by:
KBAC
Christina Speed
August 2006



Ka'elepulu Watershed: Land Use/Land Cover

Data Source: C-CAP

Total Area of Watershed:
1,407 hectares
3,478 acres

Legend

- Water Quality Monitoring Stations (DOH)
- Kaelepulu Streams
- High Intensity Development
- Low Intensity Development
- Cultivated Land
- Grassland
- Evergreen Forest
- Scrub/Shrub
- Palustrine Scrub/Shrub Wetland
- Unconsolidated Shore
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Map Created by:
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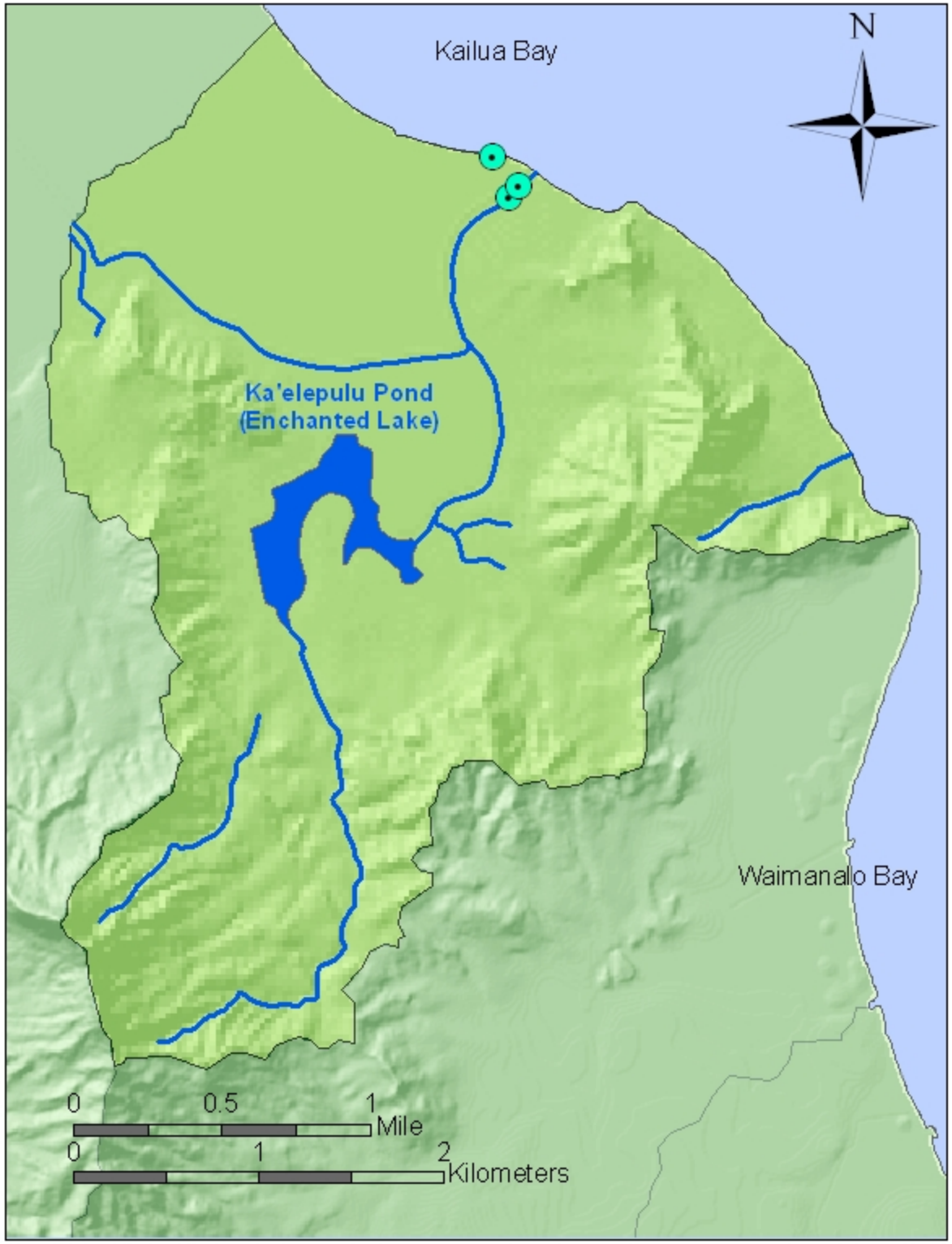
August 2006



Ka'elepulu Watershed: Stream Description

303d Status:
High Priority
Pollutants: Nutrients, Turbidity

Total Length:
9.6 miles
15,528 m

Legend

- Water Quality Monitoring Stations (DOH)
- Ka'elepulu Streams

Map Created by:
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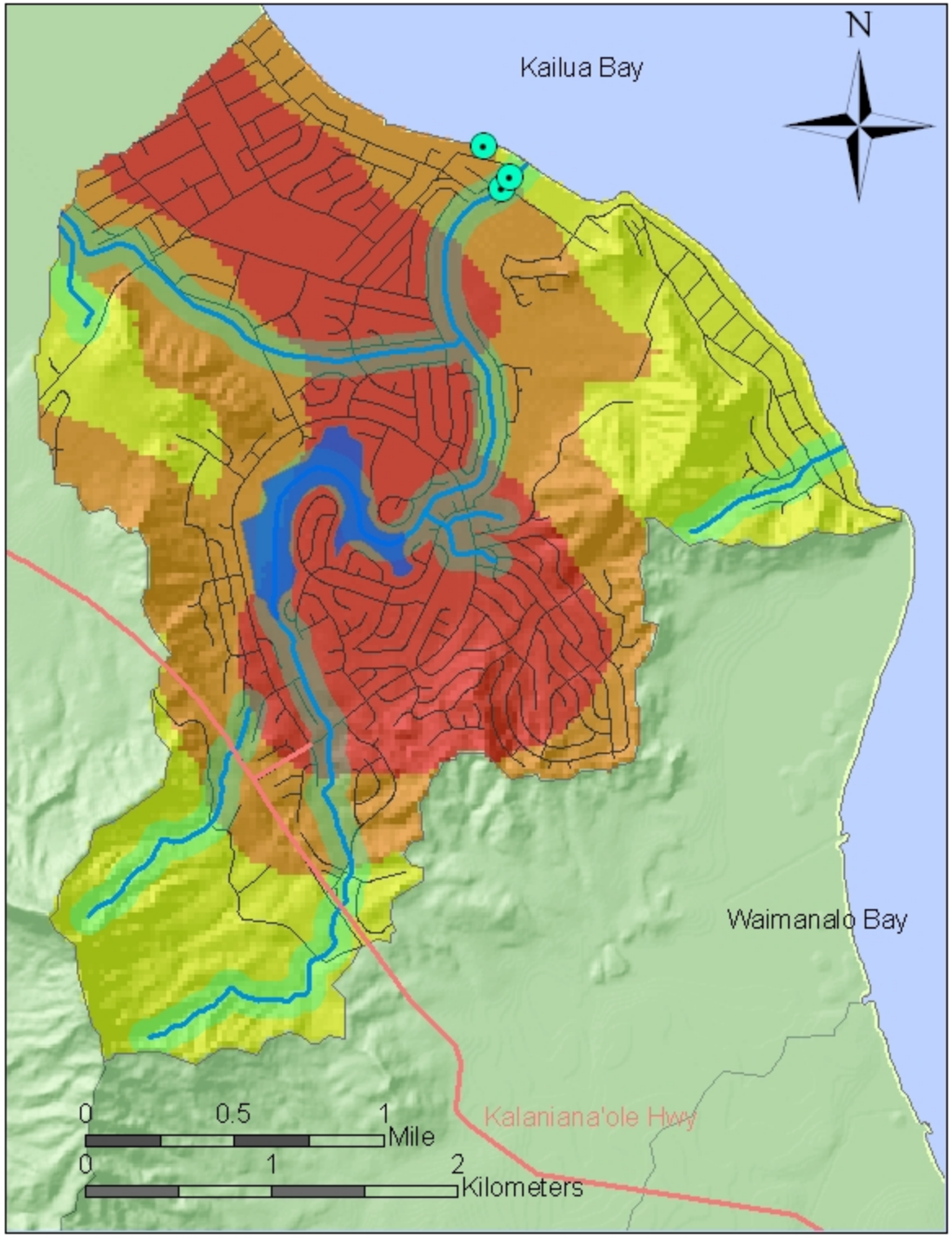
Christina Speed
August 2006

Ka'elepulu Watershed: Streets



Average Street Density in Watershed:
68 meters / hectare

Total Length:
95,613 meters of road

Total Length Within a Specified Distance:
100m: 29,281 m
50m: 15,634 m
20m: 8,760 m

Legend

- Water Quality Monitoring Stations (DOH)
- Ka'elepulu Streams
- Streets
- Distance 100 m

Street Density

- Low
- Medium
- High

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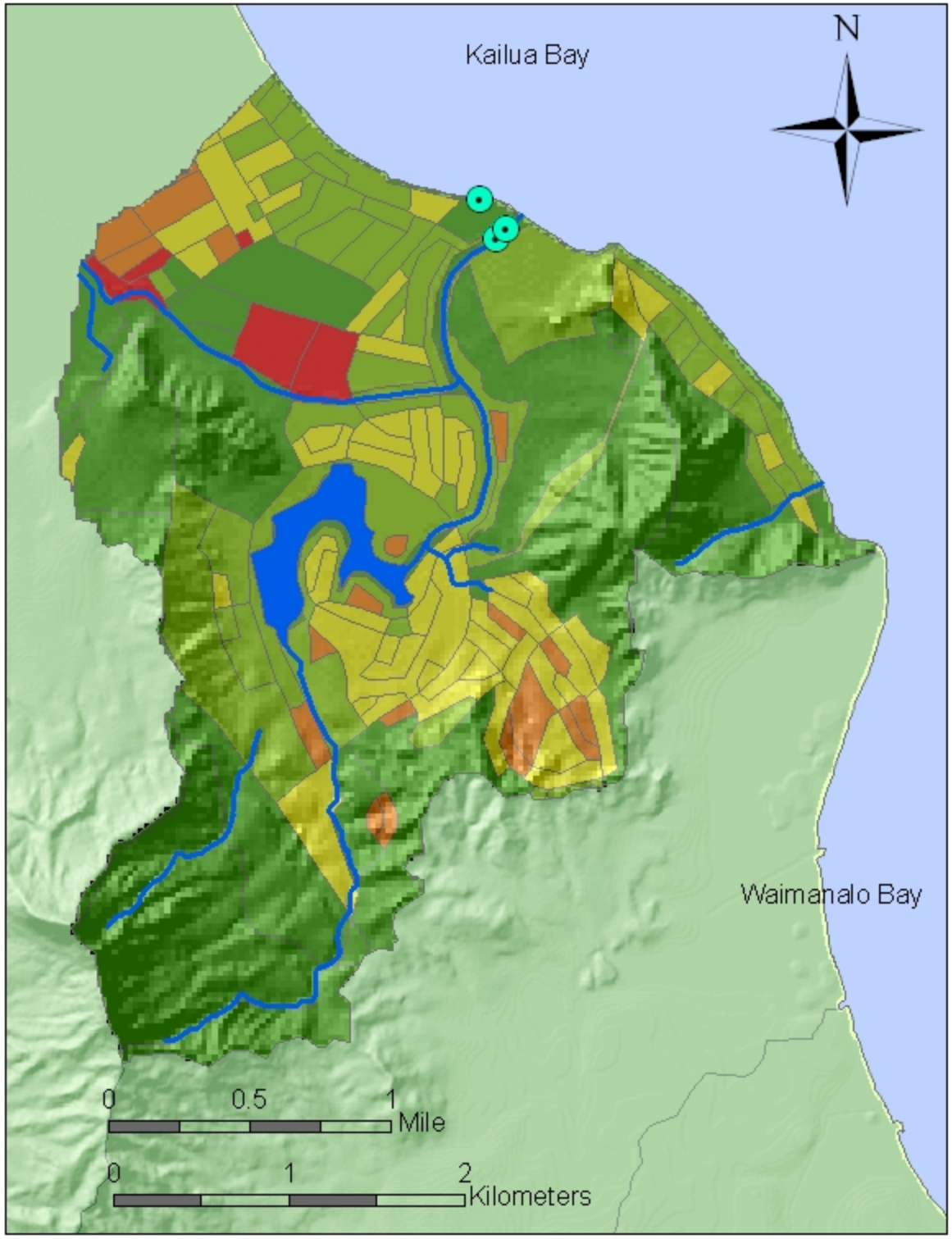
August 2006

Ka'elepulu Watershed: Population Density



Total Population: 26,229 people
U.S. Census 2000

Legend

Water Quality Monitoring Stations (DOH)

Ka'elepulu Streams

Density

people/hectare

- 0-10
- 11-26
- 27-44
- 45-66
- 67-123

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Christina Speed
August 2006