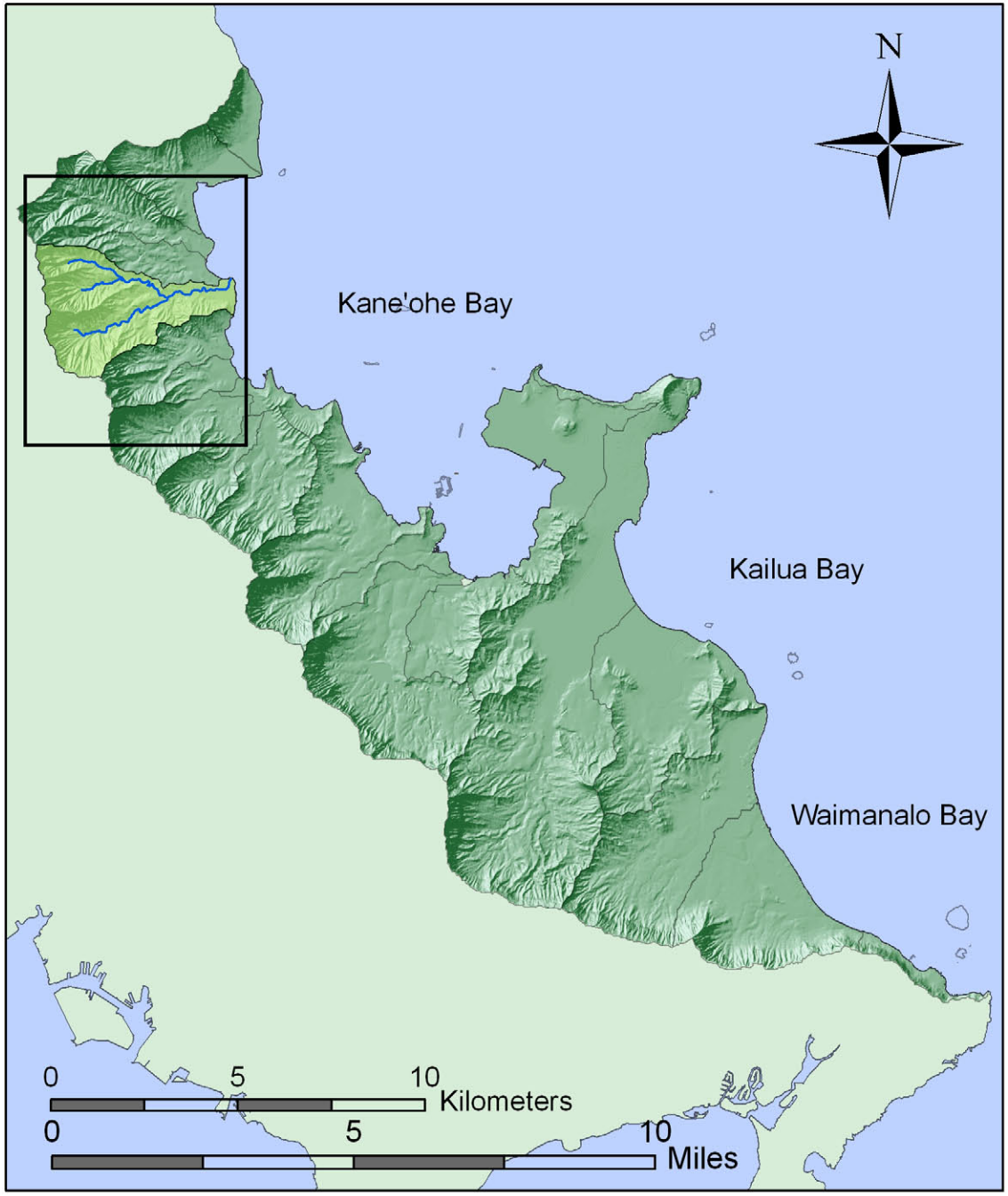
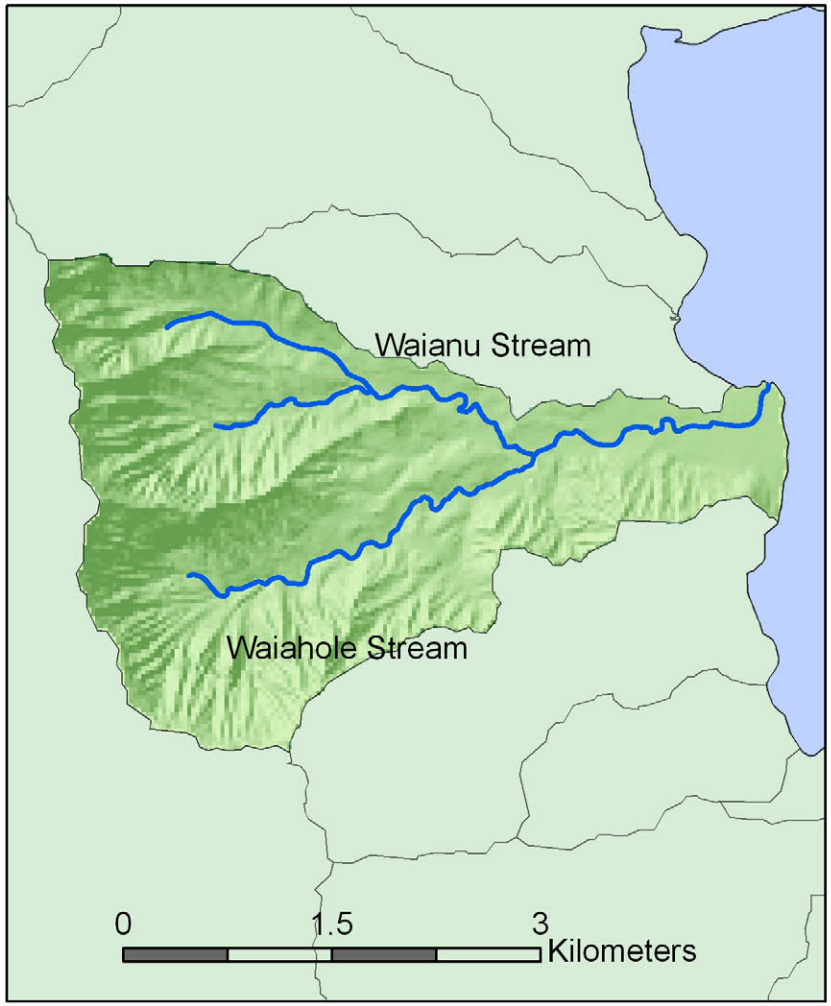
Ko'olaupoko Moku: Waiahole Watershed

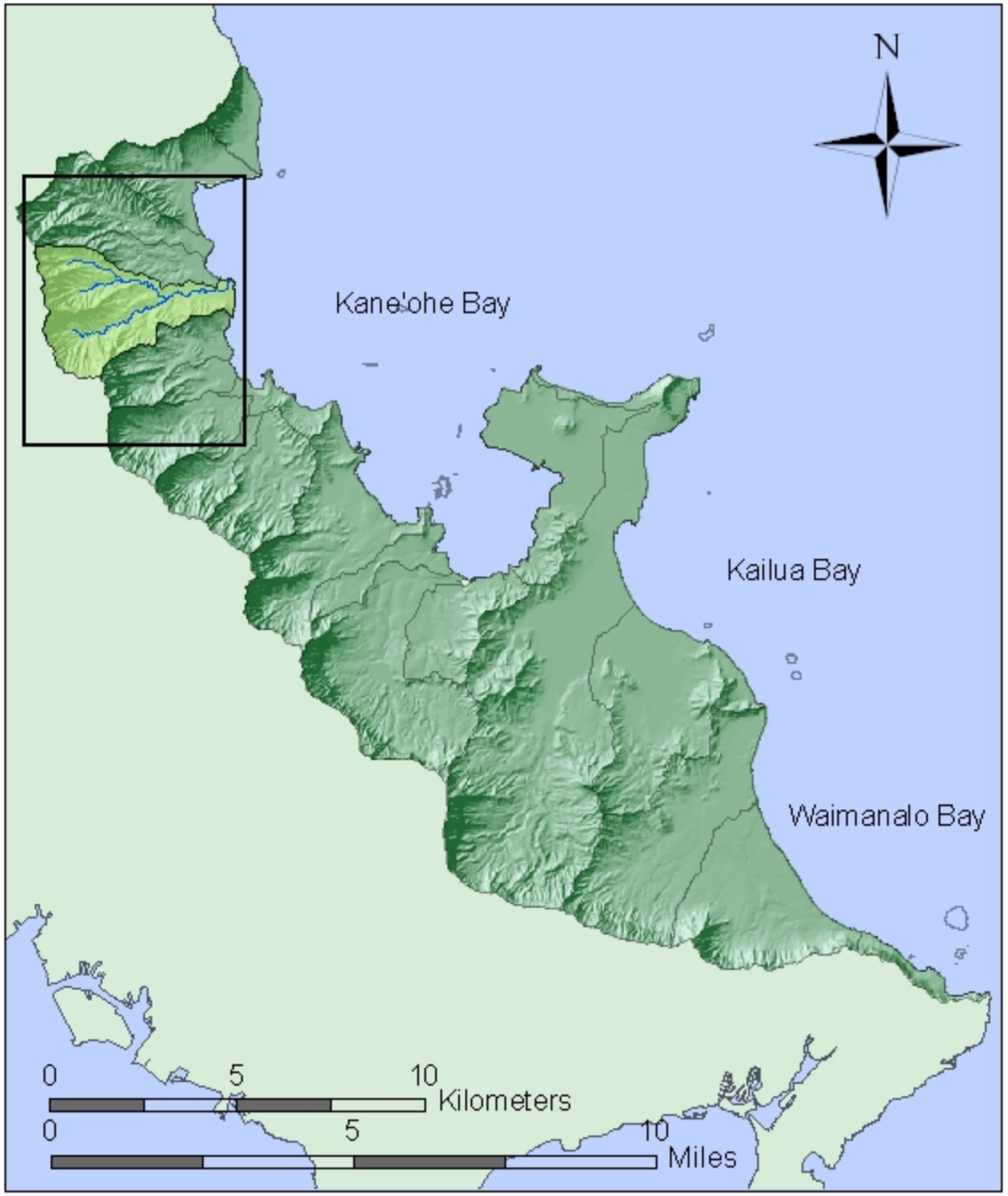


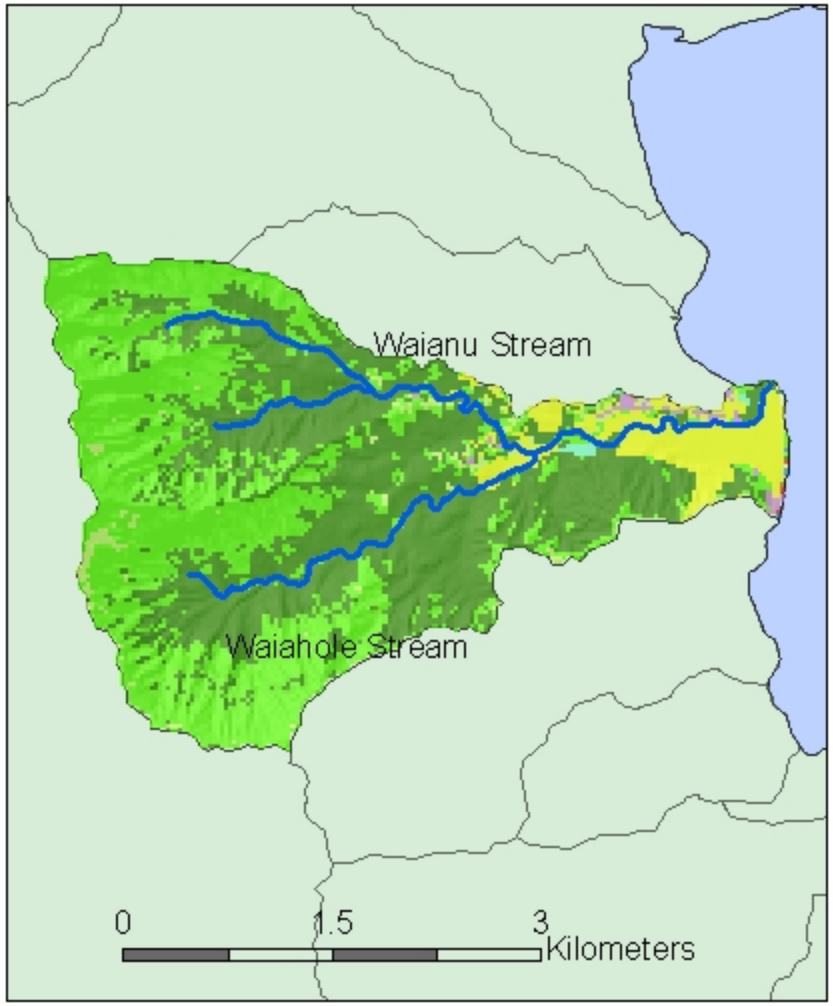


Oahu

Map Created by:
KBAC
Christina Speed
August 2006

Ko'olaupoko Moku: Waiahole Watershed



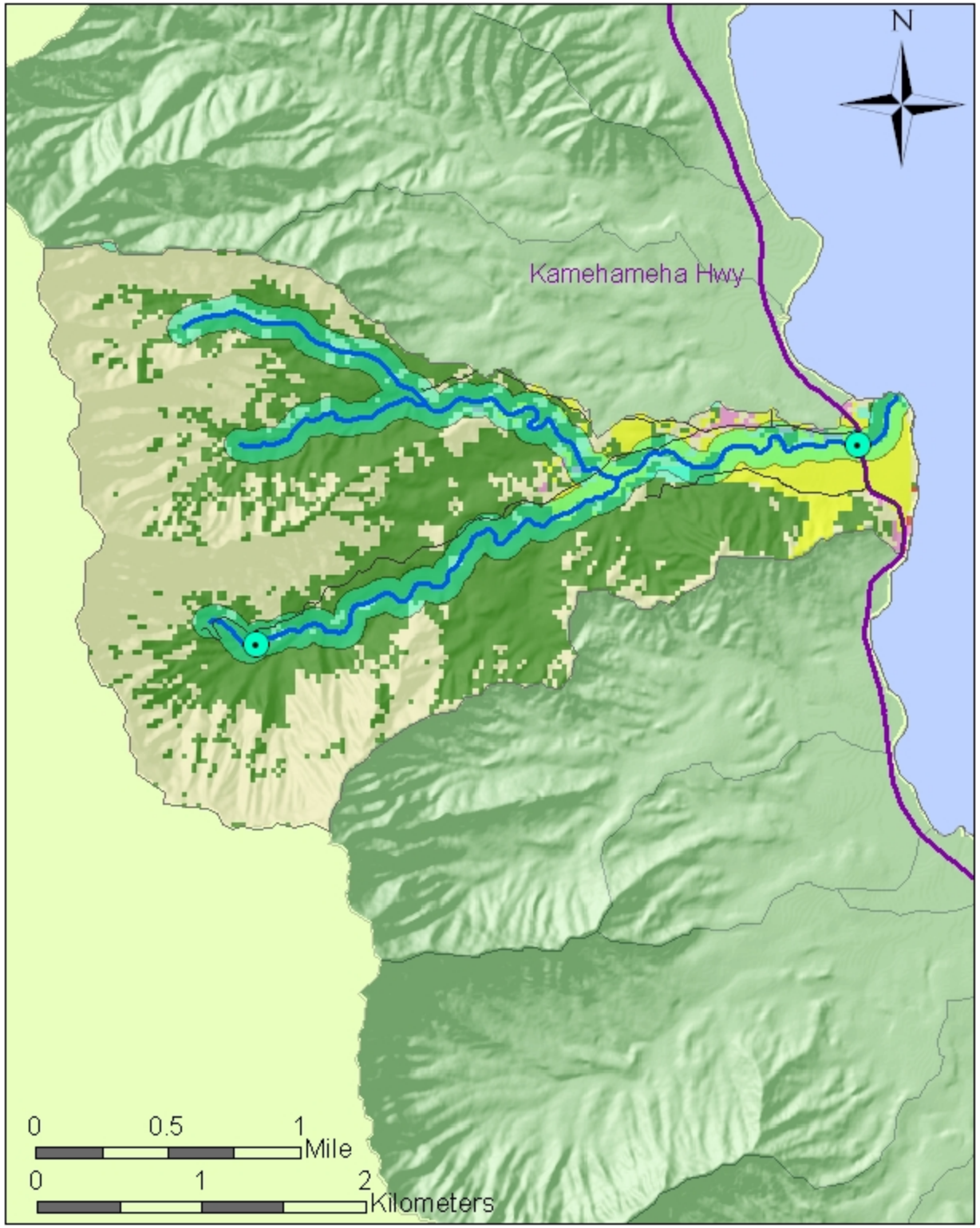


Legend

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

Data Source: C-CAP

Map Created by:
KBAC
Christina Speed
May 2007



Waiahole Watershed: Land Use

Data Source: C-CAP

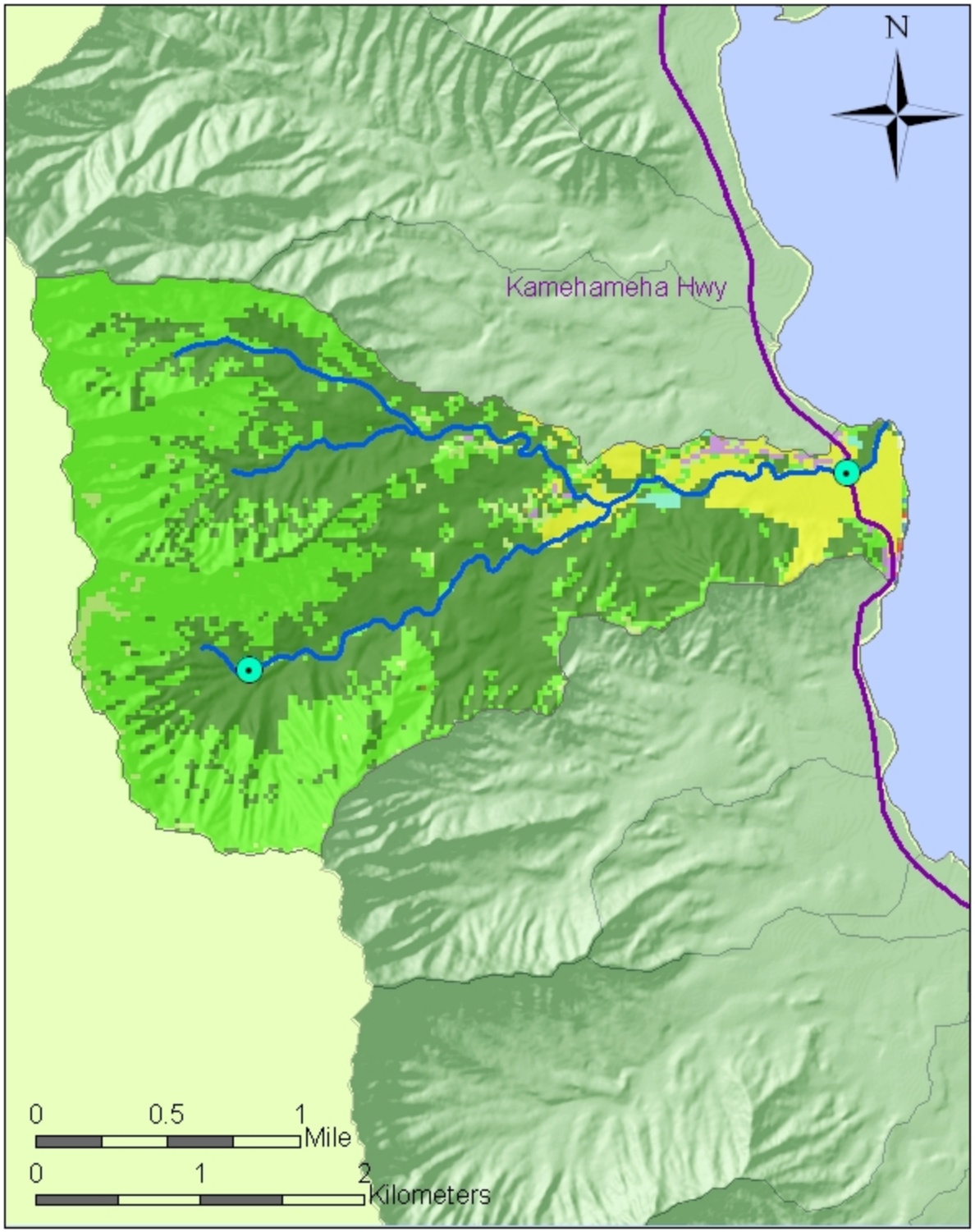
Within 100 meters of Waiahole Streams

Land Use	Total Area of Land Use (HA)	Area (HA) within 100 meters	% within 100 meters
High Intensity Development	0.36	N/A	N/A
Low Intensity Development	6.66	2.34	35.14%
Agricultural Lands	75.33	32.49	43.13%
Wetlands	2.61	1.26	48.28%
Forested Lands	477.09	131.49	27.56%
Other	460.53	28.35	6.16%

Legend

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

Map Created by:
KBAC
Christina Speed
September 2006



Waiahole Watershed: Land Use/Land Cover

Data Source: C-CAP

Total Area of Watershed:
944 hectares
2,332 acres

Legend

- Water Quality Monitoring Stations (DOH)
- Waiahole Streams
- High Intensity Development
- Low Intensity Development
- Cultivated Land
- Grassland
- Evergreen Forest
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Map Created by:
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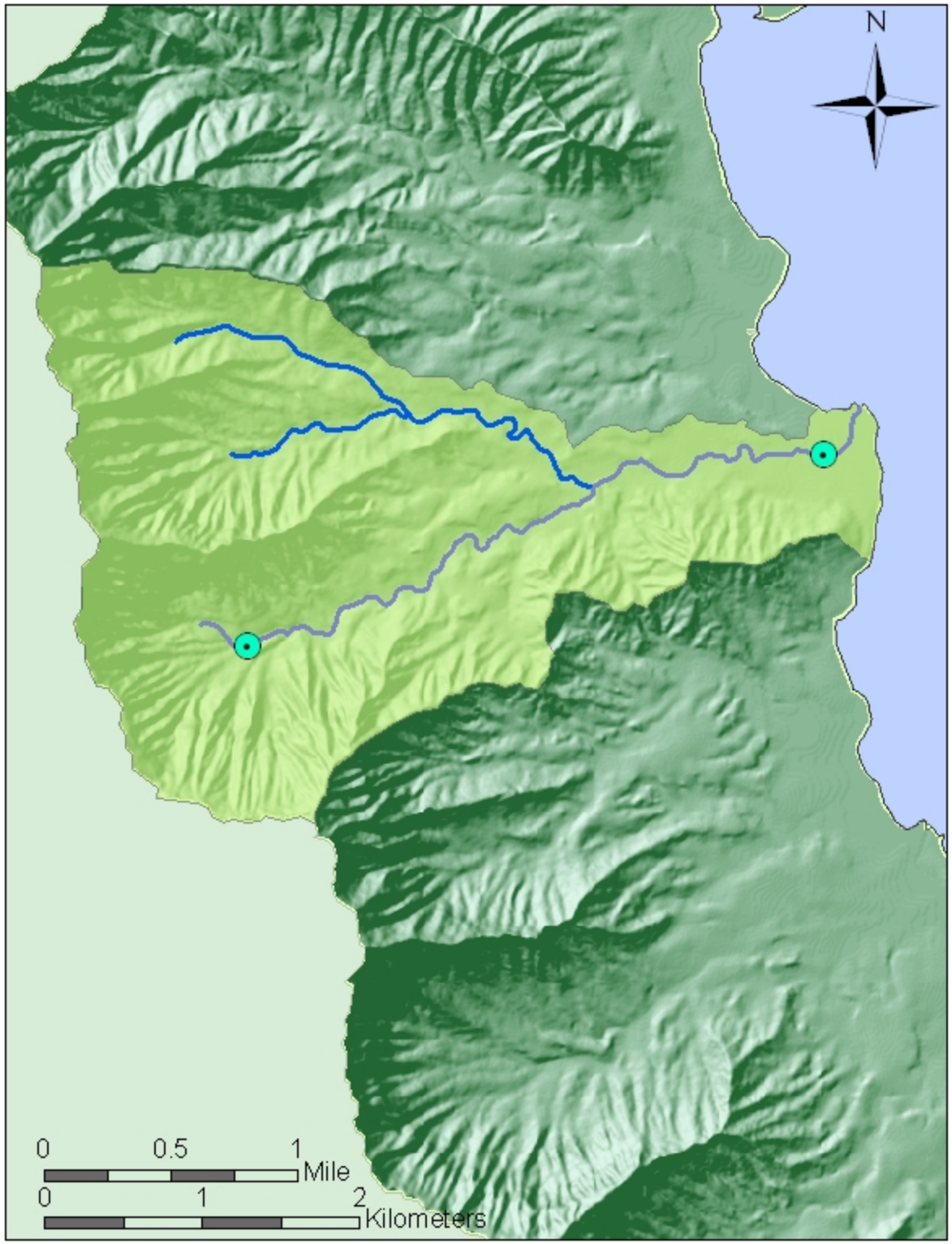
Christina Speed
September 2006



Waiahole Watershed: Stream Description

303d Status:
Waiahole Stream:
Medium Priority
Pollutants: Nitrite, Nitrate

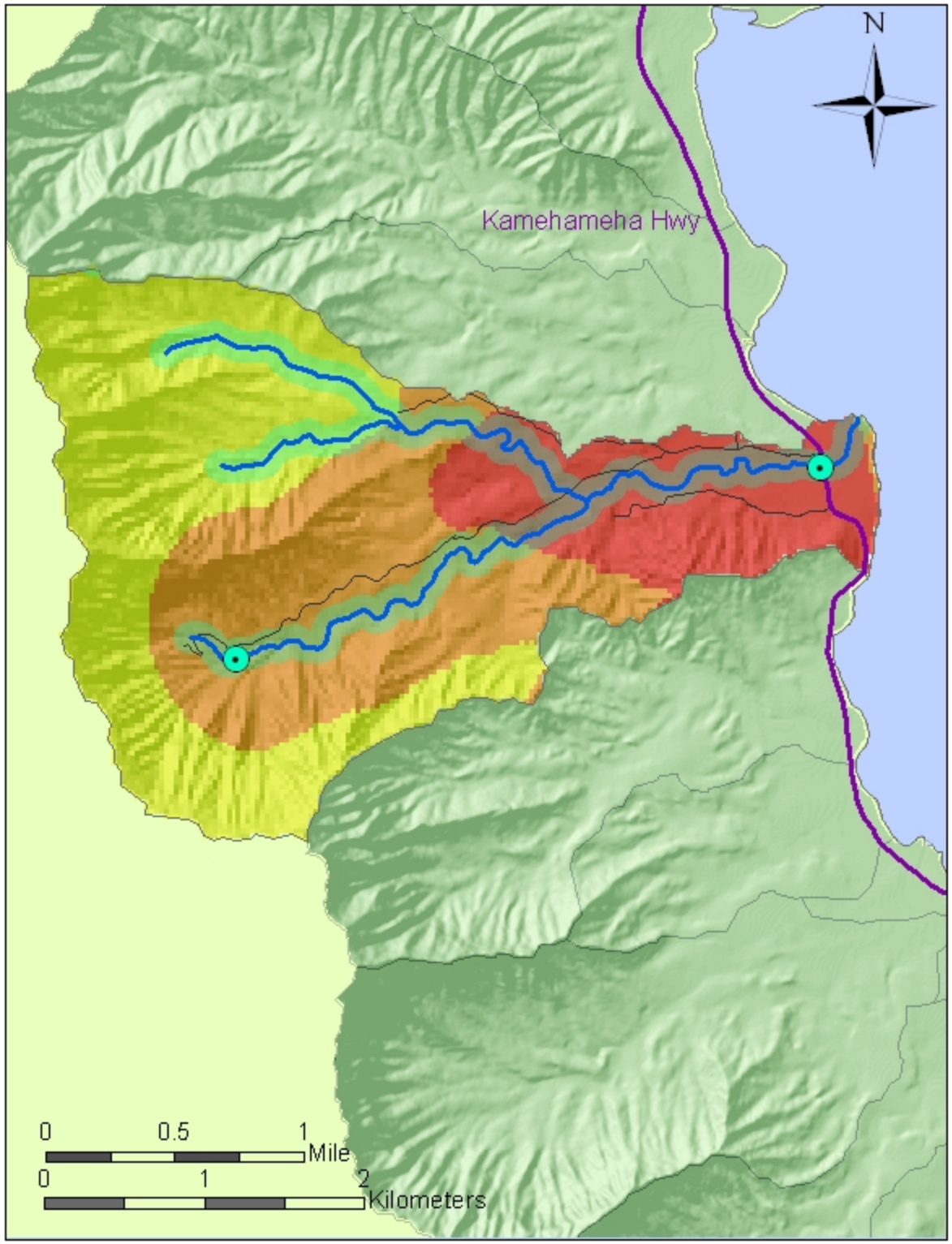
Total Length:
6 miles
10,114 m

Legend

- Water Quality Monitoring Stations (DOH)
- Waiahole Stream
- Streams

Map Created by:
KBAC
Christina Speed
September 2006

Waiahole Watershed: Streets



Average Street Density in Watershed:
10 meters / hectare

Total Length:
10,173 meters of road

Total Length Within a Specified Distance:
100m: 9,652 m
50m: 8,009 m
20m: 4,117 m

Legend

- Water Quality Monitoring Stations (DOH)
- Waiahole Streams
- Streets
- Distance 100 m

Street Density

- Low
- Medium
- High

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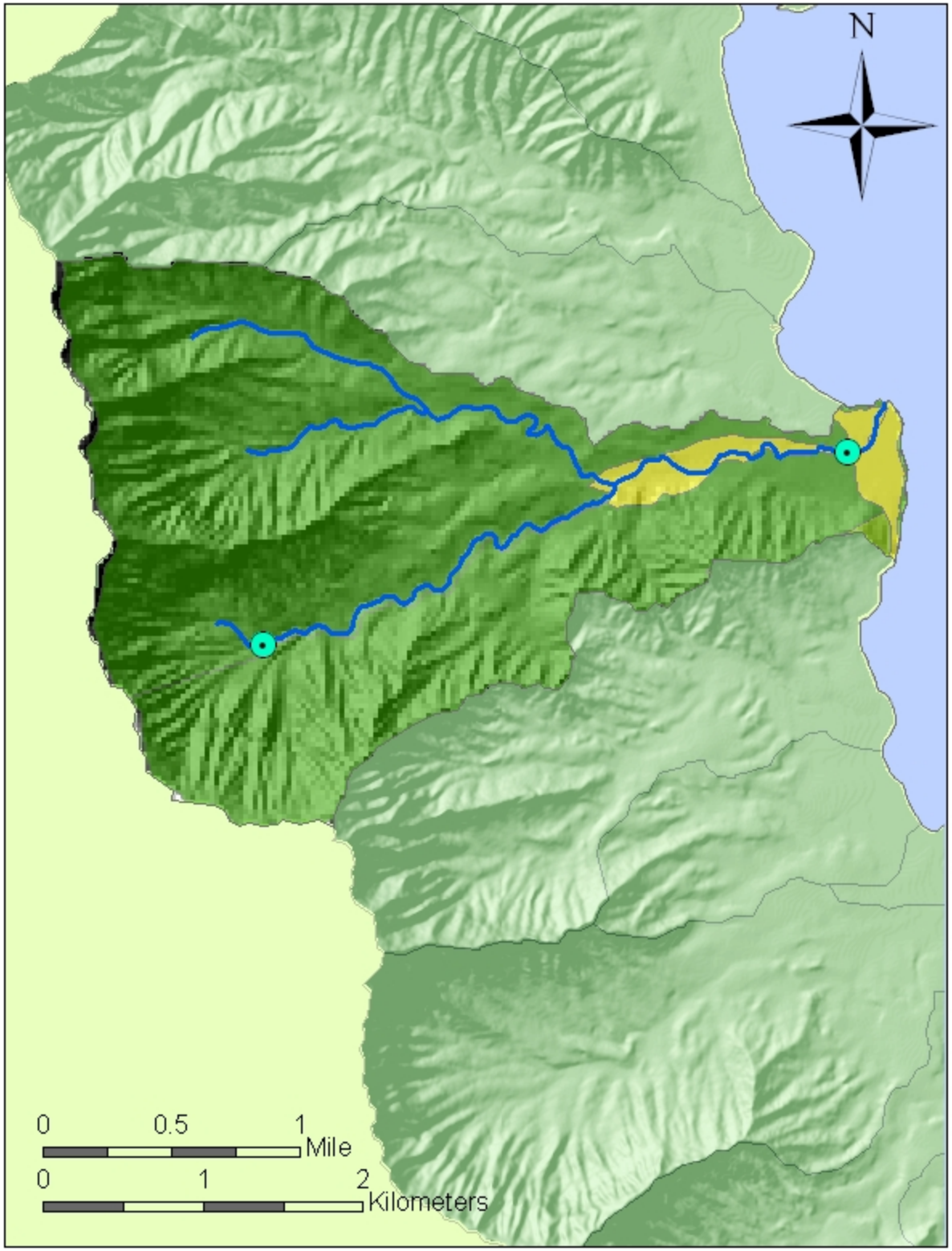
September 2006



Waiahole Watershed: Population Density

Total Population: 674 people
U.S. Census 2000

Legend

Water Quality Monitoring Stations (DOH)

Waiahole Streams

Density:

people/hectare

0

0-1

2-4

Map Created by:
KBAC
Christina Speed
September 2006

Waiahole: Restoration and Preservation Opportunities

0 0.5 1 Mile

Legend

- Streams
- Preserve (321 acres/130 hectares)
- Restore (59 acres/24 hectares)

Map Created by:
KBAC
Christina Speed
June 2007