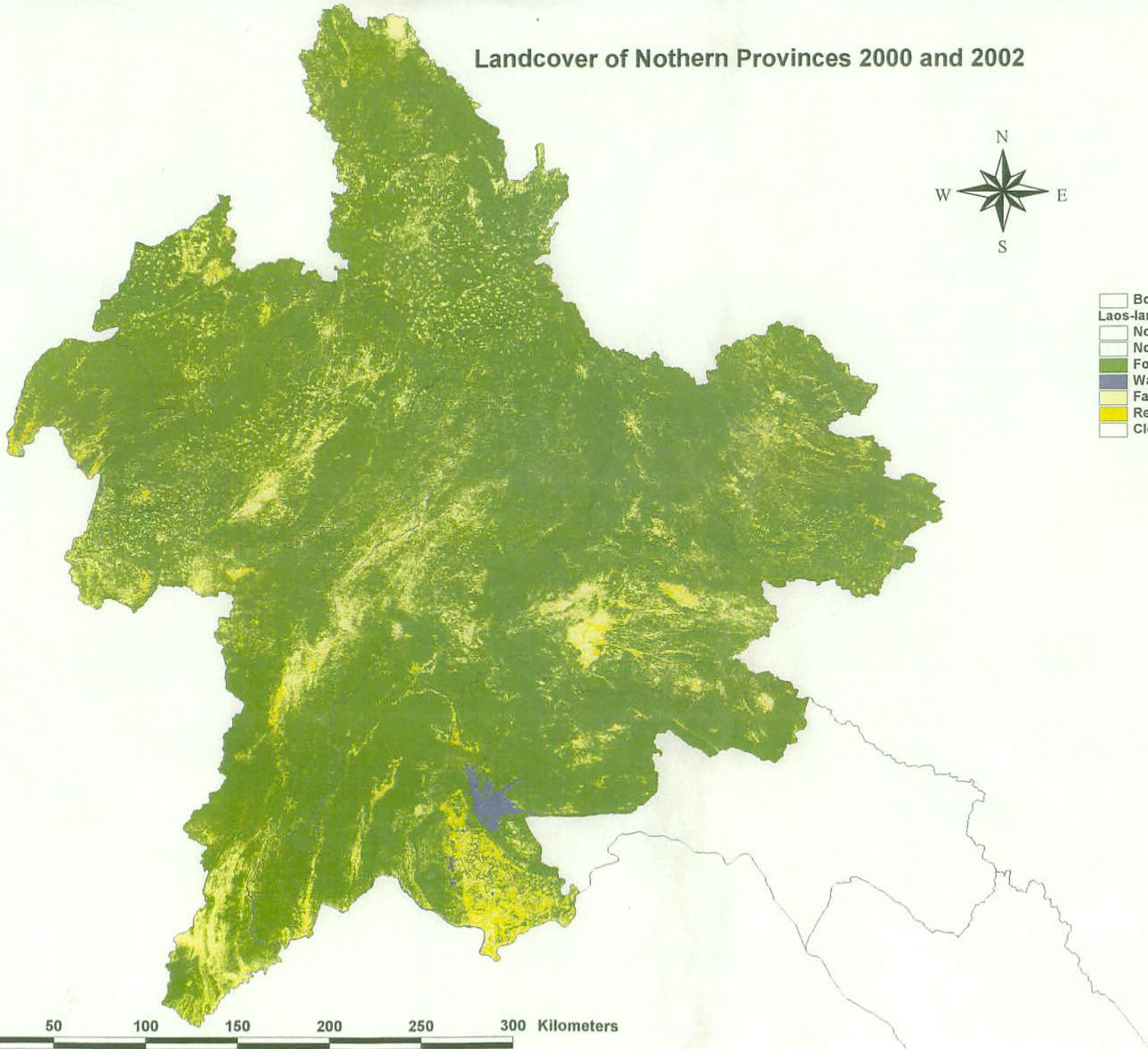# *Figures*

# Landcover of Nothern Provinces 2000 and 2002

Bound_2.shp
Laos-landuse
No Data
No Data
Forest
Water body
Farmland
Residential area or paddy field
Cloud and error

Figure 1 Land Use Map

0    50    100    150    200    250    300  Kilometers

F-1

hh_image

H. Den
H. Du
H. Mehau
H. Hindam
H. Som
H. Jalon
H. Tong
H. Thalu
H. Menav
H. Kanen
H. Lalai
H. Hia
H. Uan
H. Tong
H. Suk
H. Tong
H. Po
H. Longh

Figure 2    SPOT False Color Image of Hat Houay 2002

1:37000

0    0.4    0.8    1.2    1.6    2    Kilometers

N
W        E
S

*hh_nvi*
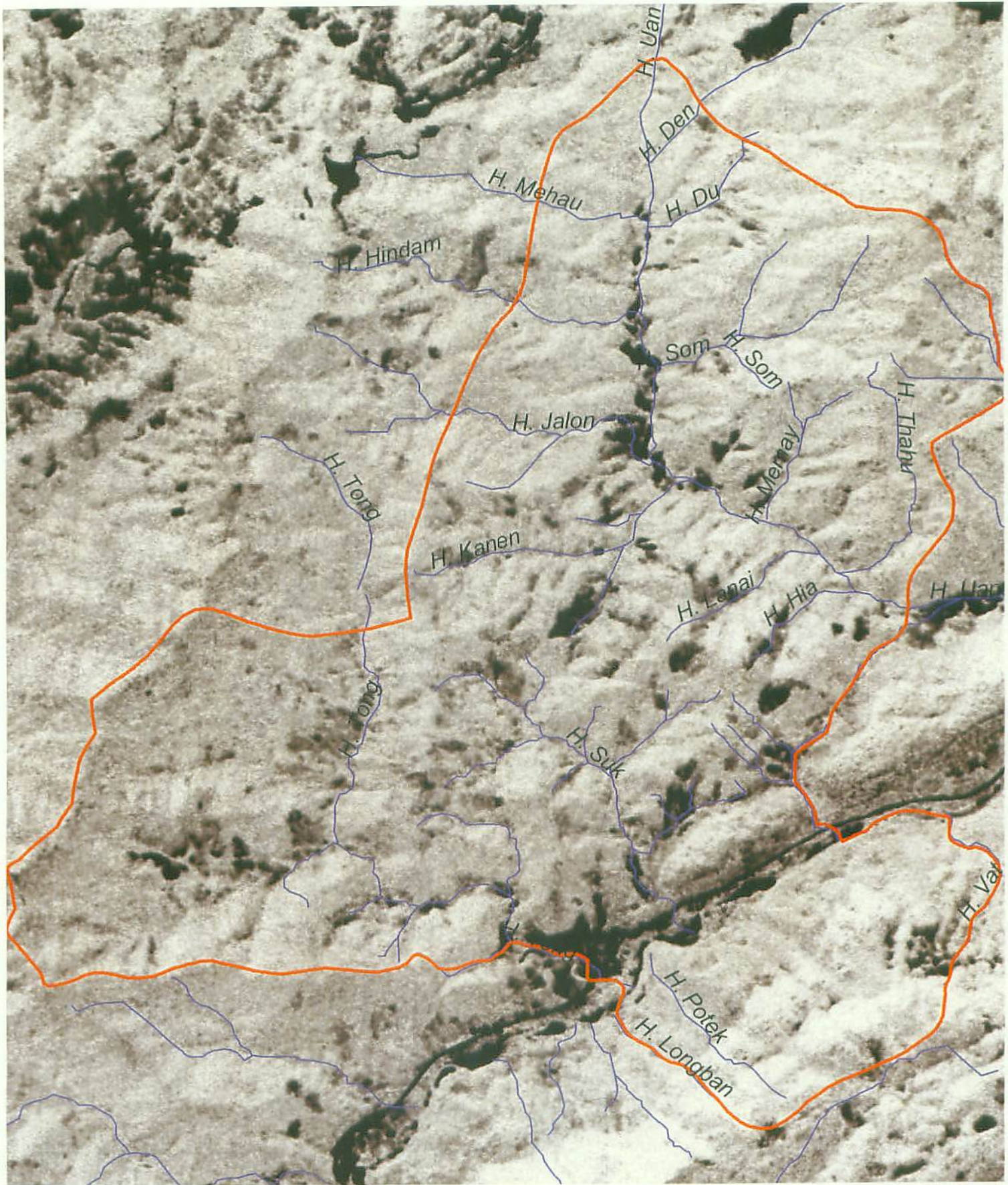


Figure 3     Normalized Vegetation Index of Hat Houay

1:37000

0    0.5    1    1.5  **Kilometers**

N
W    E
S

*Boundary-hh-polyline.shp*
*Streams-hh.shp*
*Ndvi_hh.img*
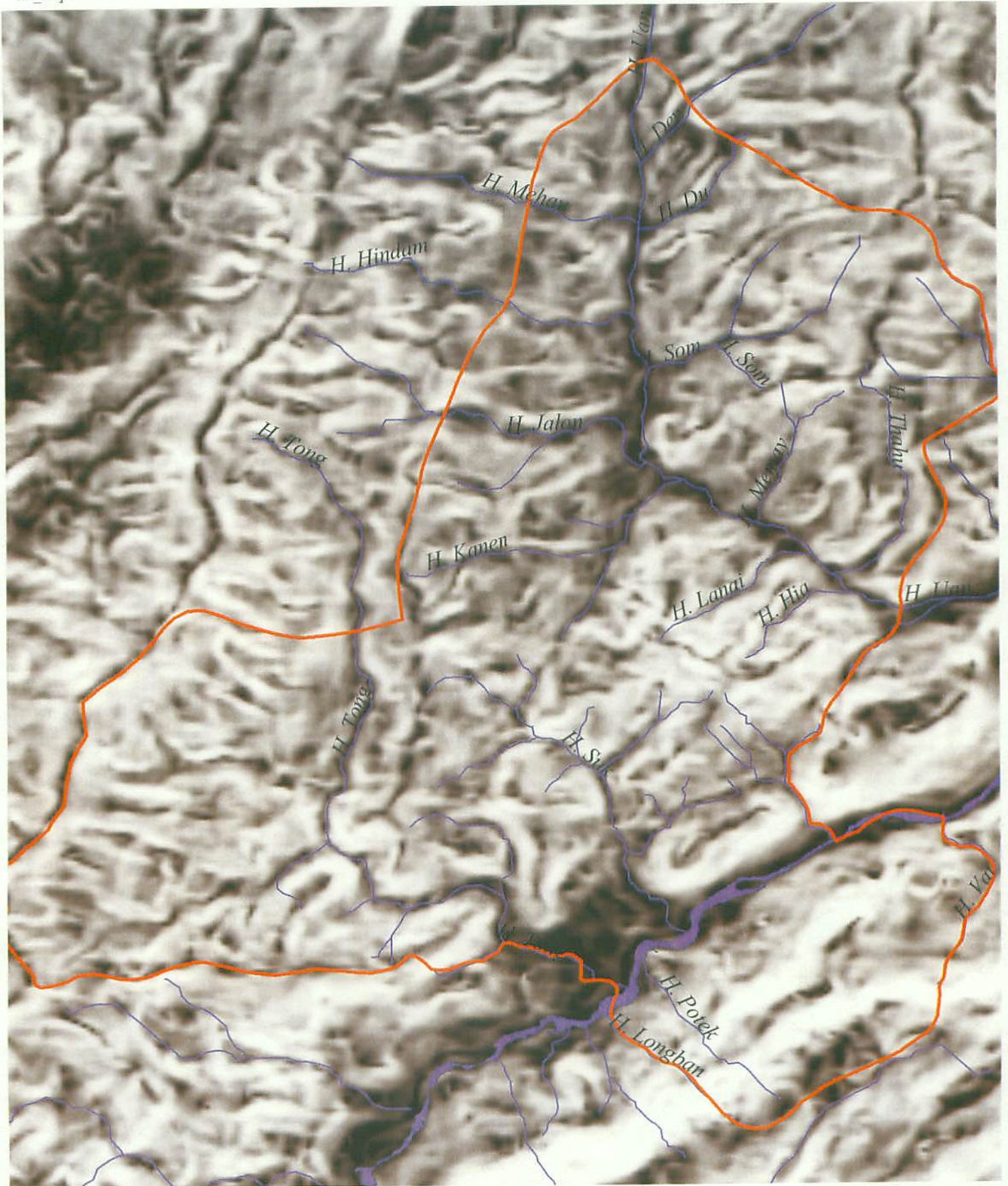*:Layer_1*

F-3

*hh_slope*



Figure 4 .     ASTER Slope Image of Hat Houay

1:37000

0     0.5     1     1.5   **Kilometers**

N
W        E
S

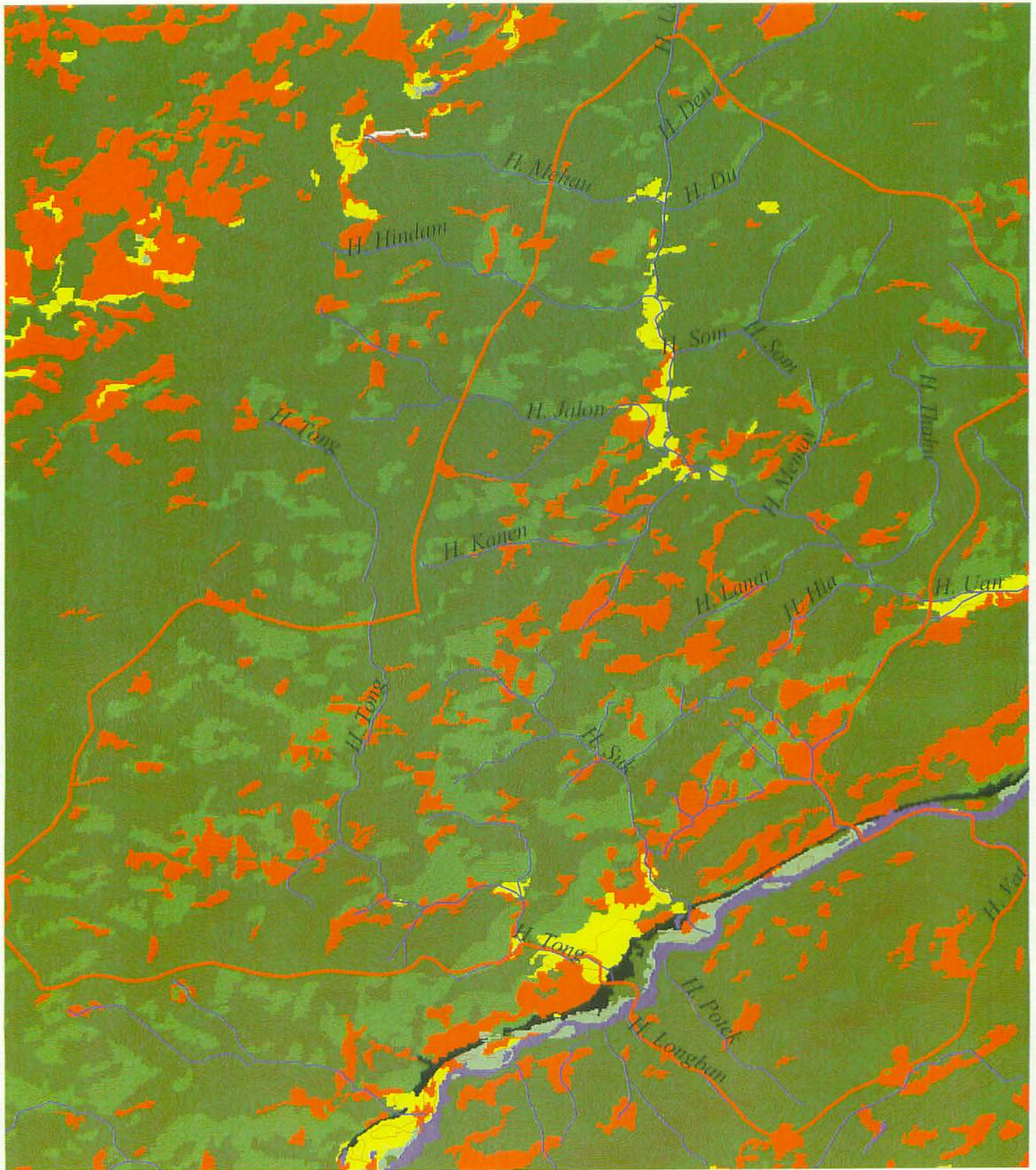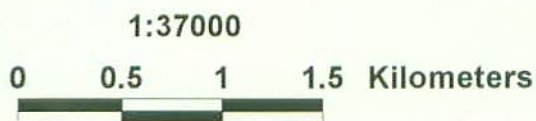Boundary-hh-polyline.shp
Streams-hh.shp
Hh-slope-h
:Layer_1

F-4

hh_landuse



Figure 5    Present Land Use and Vegetation Map of Hat Houay
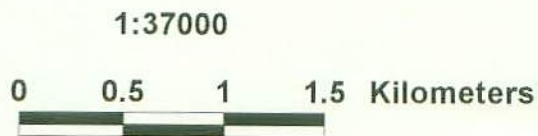
1:37000

0      0.5      1      1.5    Kilometers

N
W        E
S

*Boundary-hh-polyline.shp*
*Streams-hh.shp*
*Contour-20m-hh.shp*
*Landuse-hh*
  Unclassified
  *Forest*
  *River*
  Road/Populated area
  *Fallow land*
  *Shifting cultivation*
  *Paddy field*
  *Grass land*

# hh_allo&res



Grazing Area

H. Ua

Den

H. Mehau

H. Du

H. Hindam

Watershad Protection Forest

H. Som

H. Som

H. Jalon

H. Tong

Cemetry

Residential Area

Conservation Forest

H. Thahu

H. Kanen

H. Lanai

H. Hia

H. Uan

Agricultural Production (Upland)

H. Tong

H. Sulk

Lowland Paddy Field

Garden (Orchard)

H. Tong

H. Potek

H. Longban

Community Production Forest

H. Vat

Figure 6    Customary Land Use Map of Hat Houay

1:37000

0    0.5    1    1.5  Kilometers

N
W    E
S

F-6

Boundary-hh-polyline.shp
Contour-20m-hh.shp
Road-hh.shp
River-hh.shp
Streams-hh.shp
Hh_lu_map.shp
  Watershed protection forest
  Conservation forest
  Community production forest
  Agricultural production (upland)
  Lowland paddy field
  Grazing area
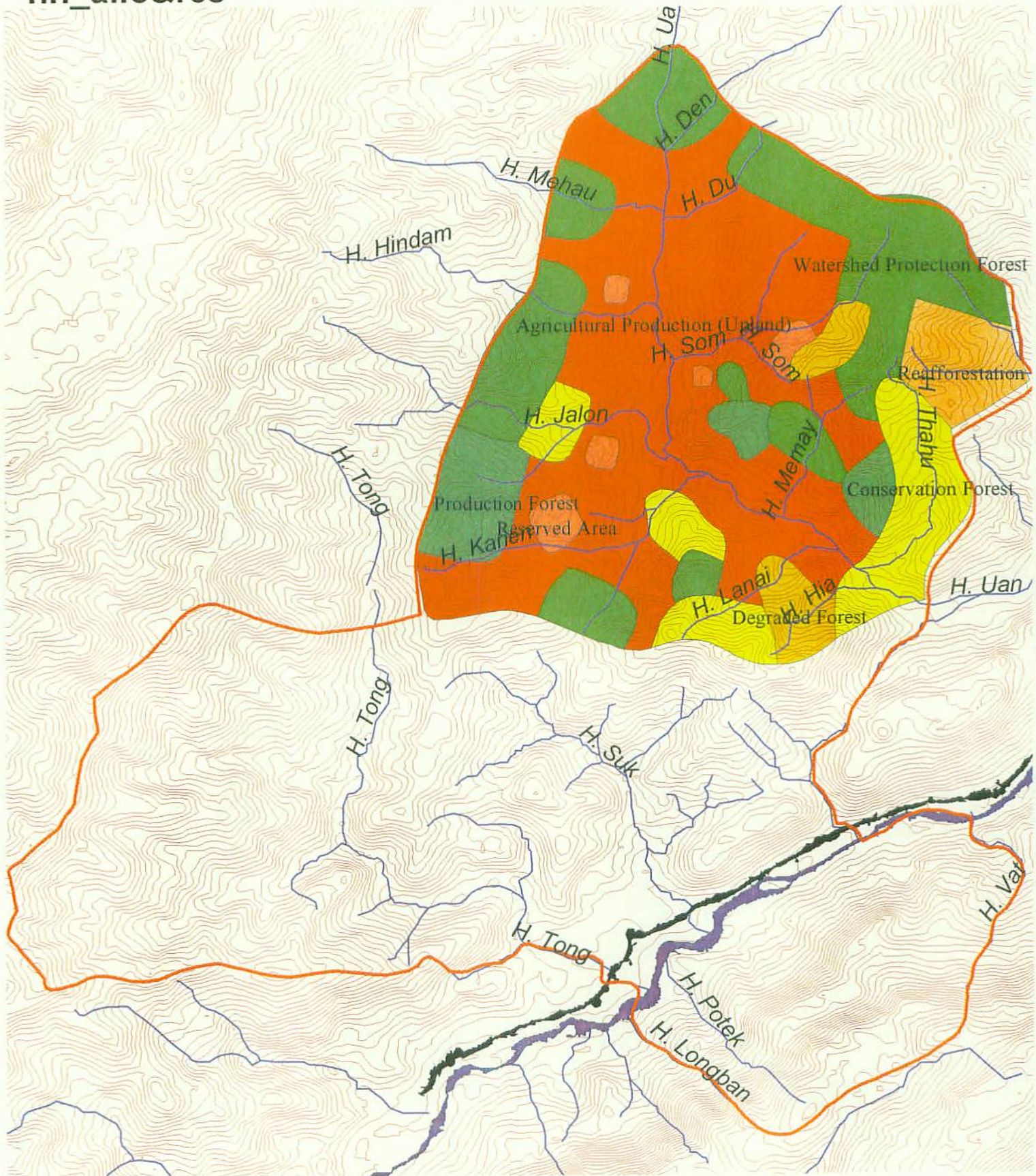  Residential area
  Cemetry
  Orchard "suan" (tree plantation)

# hh_allo&res

H. Ua

H. Den

H. Mehau

H. Du

H. Hindam

Watershed Protection Forest

Agricultural Production (Upland)

H. Som

H. Som

Reafforestation

H. Jalon

H. Memay

H. Thahu

H. Tong

Conservation Forest

Production Forest

Reserved Area

H. Kahen

H. Lanai

H. Hia

H. Uan

Degraded Forest

H. Tong

H. Suk

H. Vat

H. Tong

H. Potek

H. Longban

Figure 7    Land Allocation Map of the Northern Part of Hat Houay

1:37000

0    0.5    1    1.5    **Kilometers**

N
W   E
S
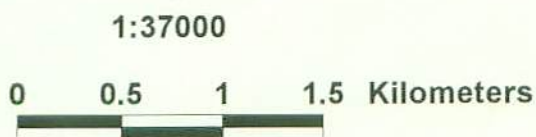
Boundary-hh-polyline.shp
Contour-20m-hh.shp
Road-hh.shp
River-hh.shp
Streams-hh.shp
Hh_la_map.shp
 Agricultural Production (Upland)
 Conservation Forest
 Degraded Forest
 Production Forest
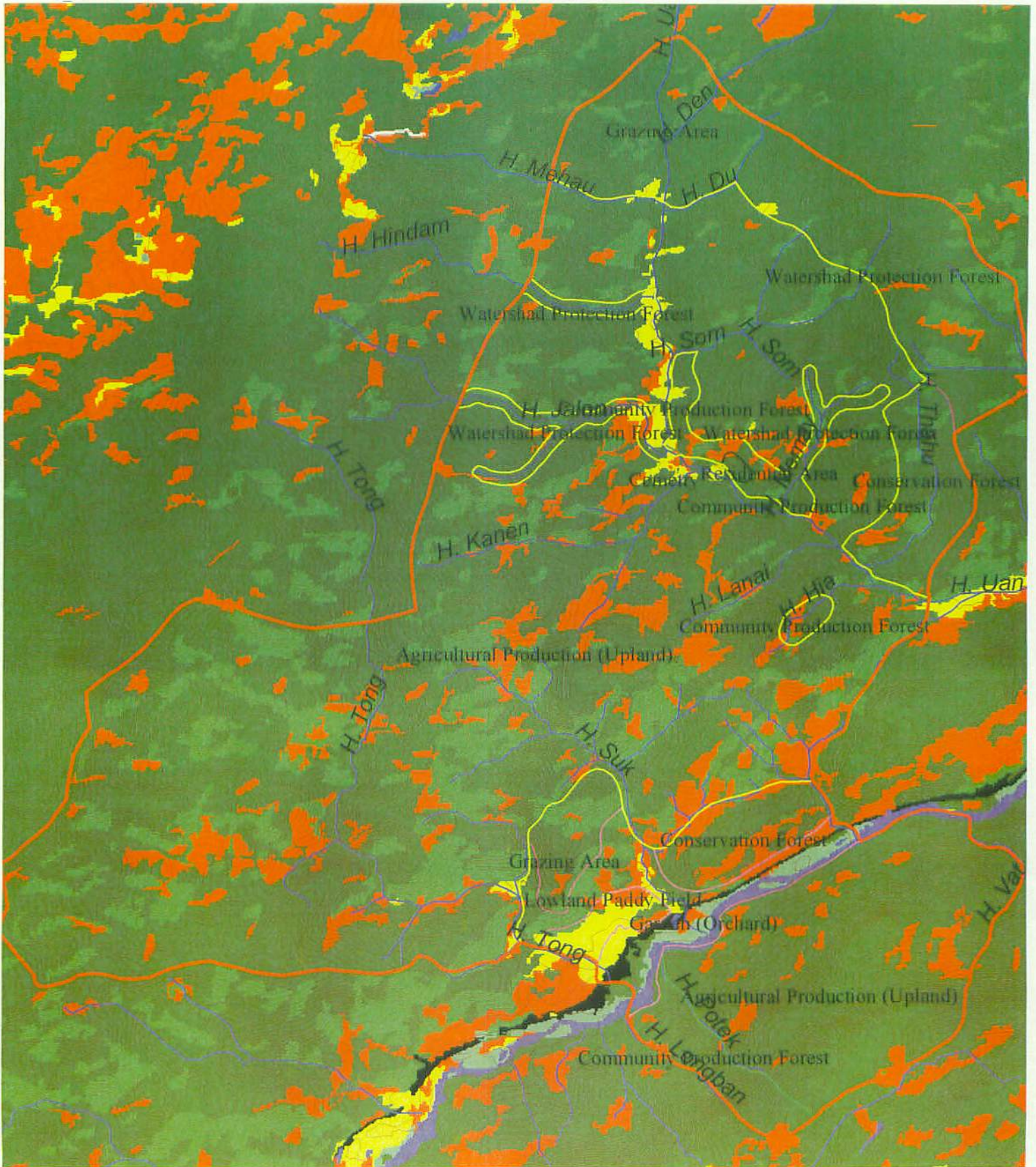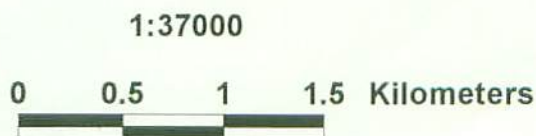 Rehabilitation Forest
 Reserved Area
 Watershed Protection Forest

Figure 8    Detailed Land Use Map of Hat Houay

1:37000

0    0.5    1    1.5    Kilometers

F-8

# hh_allo&res
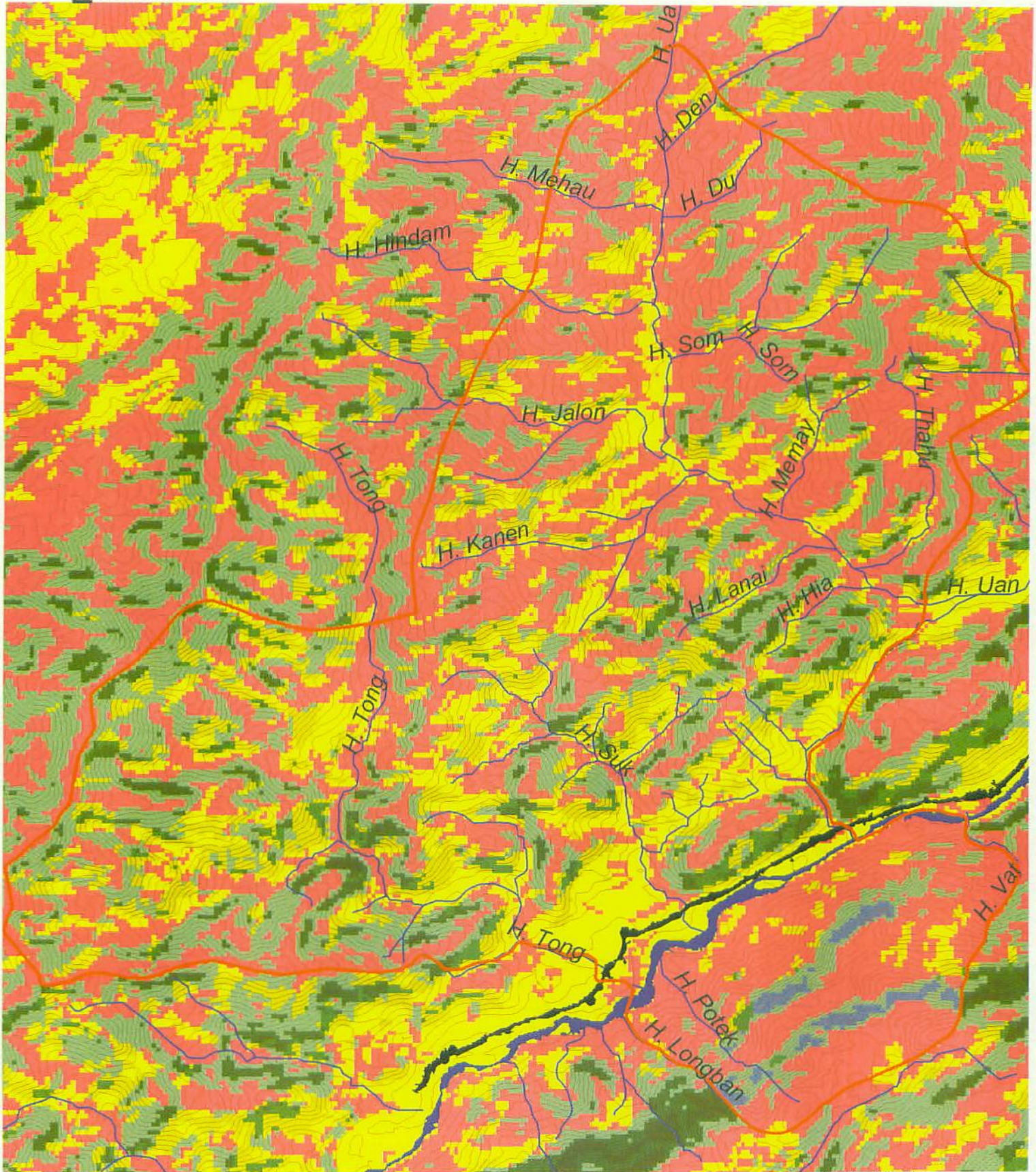


Figure 9    Recommended Land Use Map of Hat Houay

1:37000

0    0.5    1    1.5  Kilometers

N
W — E
S

Boundary-hh-polyline.shp
Contour-20m-hh.shp
River-hh.shp
Road-hh.shp
Streams-hh.shp
La_hh
Protection forest
Regeneration forest
Protection forest
Regeneration forest/ Agroforestry
Protection/ Production forest
Agroforestry/ Agriculture
Village use forest/ Production forest
Agriculture
Conservation forest
Production forest
Village use forest/ Production forest
No Data

Figure 10    SPOT False Color Image of Samton 2003

1:30000

0    0.5    1    1.5    2  Kilometers
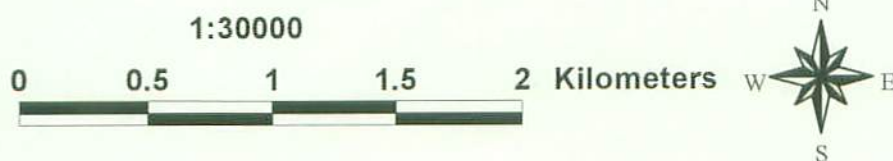
*Boundary-samton-polyline.shp*
*Samton-20m.shp*
*Streams-samton.shp*
*Spot-030506-samton.img*
*:Layer_1*
*:Layer_2*
*:Layer_3*