



IRRIGATION SYSTEM REHABILITATION

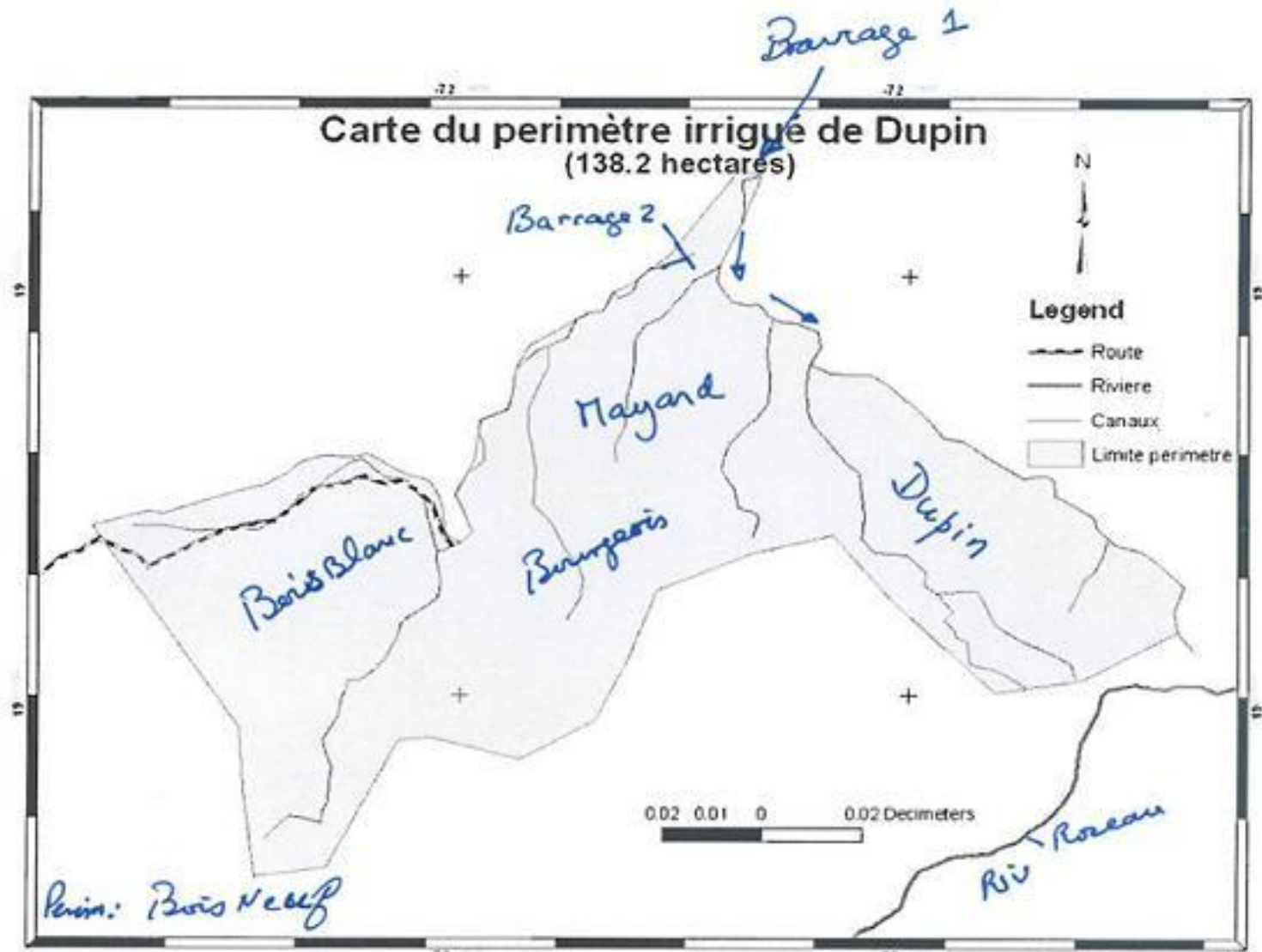
ENVIRONMENTAL MITIGATION REPORT (EMR)



PRESENTATION PLAN

- ❑ BACKGROUND (EXISTING CONDITIONS)
- ❑ POTENTIAL IMPACT AND MITIGATION MEASURE
- ❑ ENVIRONMENTAL MONITORING AND EVALUATION TRACKING TABLE

DUPIN IRRIGATION SYSTEM MAP



HIGHEST WATER COLLECTION POINT

Dam made
of stone,
stems, hay,
and dirt



LOWER WATER COLLECTION POINT

Right bank canal

Mayard River bed

Barrage made of stones



SURROUNDING HILLSIDE COMPLETELY DEFORESTED...

Potential
risk of
erosion
damage
to
irrigation
system



... AS ALL SURROUNDING MOUNTAINS
TOP ARE COMPLETELY DEFORESTED...



HYDROLOGICAL EROSION, A CONSTANT THREAT TO THE SYSTEM

Erosion of all types is threatening irrigation structures (here gully formation)



... HOWEVER FOREST TREES COVERED THEM ONCE

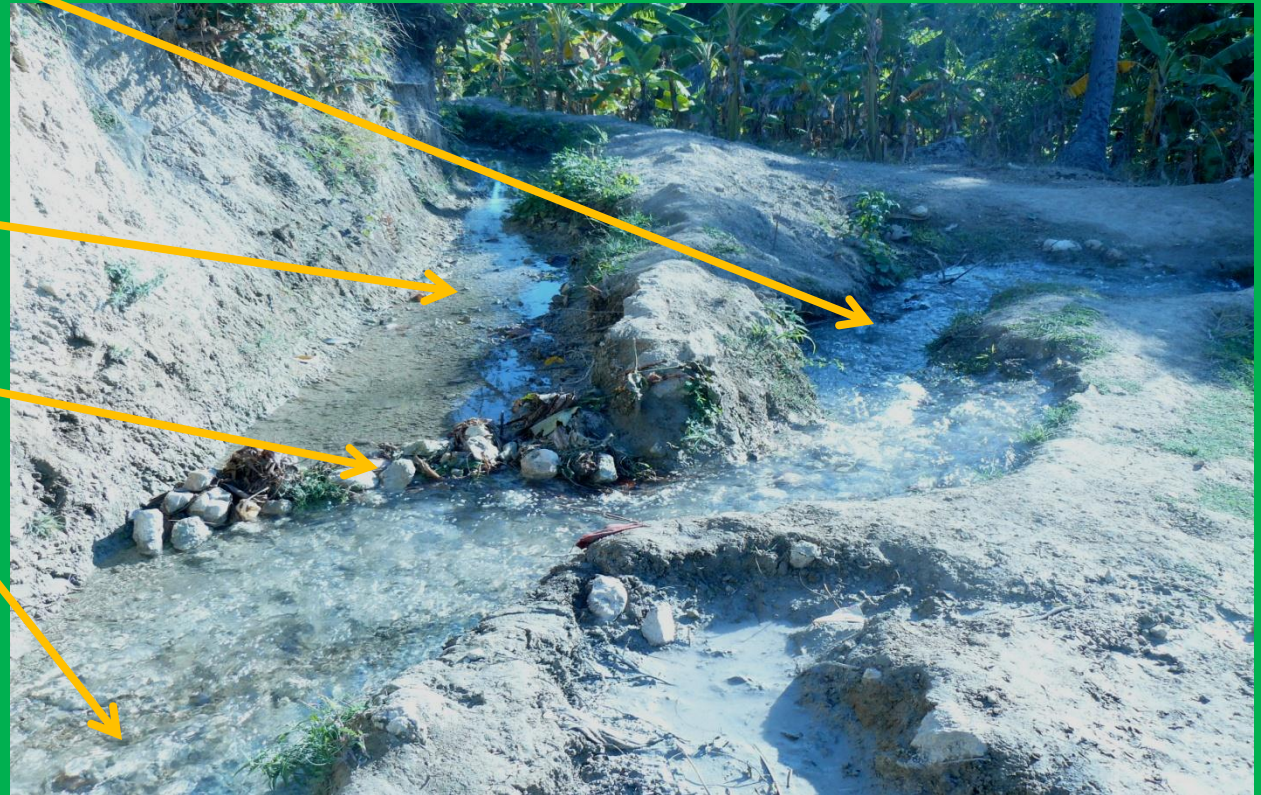
Forest compose of more than 20 different tree species covered these mountains at the beginning of the past century. Some of the more frequent species were

WATER DISTRIBUTION

First secondary
canal (to Mayard)

Primary
canal

Rudimentary
rock door



REMAINING DISTRIBUTION DOORS

Last existing
metallic doors
are linking
badly



SOME CROPS GROWN ON THE PERIMETER

Banana

Tomato



Bean