

The purpose of this map is to provide ground-based data for the development of a community-based, pistachio rehabilitation program to be implemented through the Afghan Conservation Corps. The Samangan area is a demonstration region for application to other remaining pistachio forests in northern Afghanistan. It is an example of multi-resource management, considering watershed, soils, grazing, pistachio rehabilitation, and social values.

Pistachio Woodland Community Rehabilitation Project: Samangan Area

Forest and Range Department, Ministry of Agriculture and Food and the Afghan Conservation Corps, November 2005

Version 1.3



Grazing



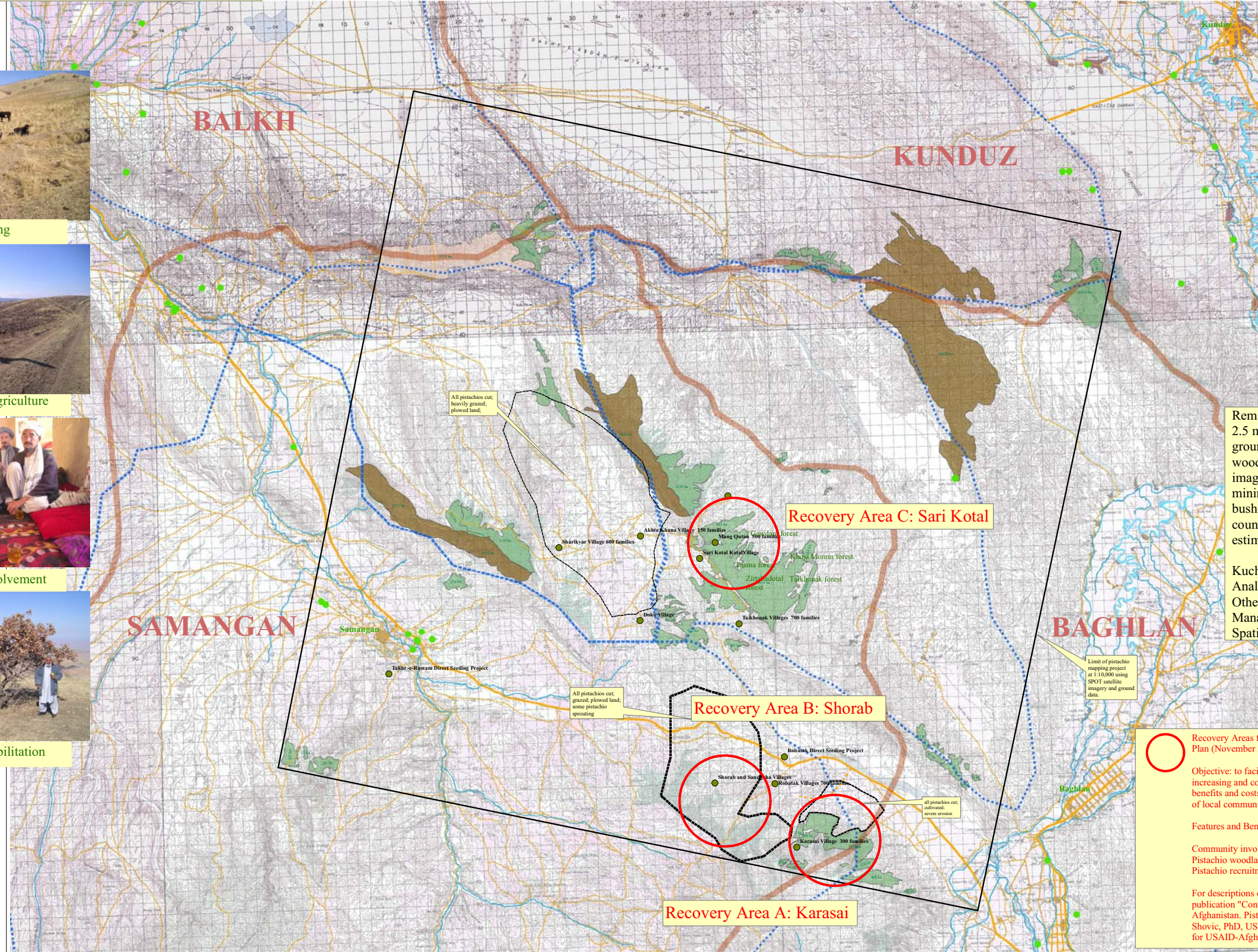
Rain-fed Agriculture



Community Involvement



Pistachio Rehabilitation



Legend

- Province Boundaries
- Province Centers
- Rivers
- Roads
 - Main
 - Secondary
 - Local
- Samangan Watersheds
- Kuchi Sites
- Samangan Area Villages
- Mapped Areas
 - recently burned range area
 - burned pistachio woodland
 - present pistachio woodlands

Remaining pistachio forest delineated from 2.5 m resolution SPOT satellite imagery with ground truth. Average Density of Pistachio woodlands is 36 trees/ha by direct satellite image count at 2.5 m resolution. This is a minimum, because not all smaller trees and bushes are visible in the image. Ground counts in the area are five times this estimate.

Kuchi locations from VAM (Vulnerability Analysis and Mapping - United Nations) Other data by AIMS (Afghanistan Information Management Service), NIMA (National Geo-Spatial Intelligence Agency), and USDA.

Recovery Areas for 2006 Pistachio Rehabilitation and Conservation Plan (November 2005).

Objective: to facilitate the development of site-specific plans for increasing and conserving pistachio woodlands considering benefits and costs to other resources and emphasizing involvement of local communities for effective implementation.

Features and Benefits

- Community involvement and ownership
- Pistachio woodland protection and watershed improvement
- Pistachio recruitment (plantations)

For descriptions of the areas and details of the plan, see the publication "Continuing Pistachio Woodland Rehabilitation in Afghanistan. Pistachio Woodlands TDY - 2: Report" by Henry Shovic, PhD, USDA - Foreign Agricultural Service, for USAID-Afghanistan



0 5 10 20 Kilometers

1:120,000