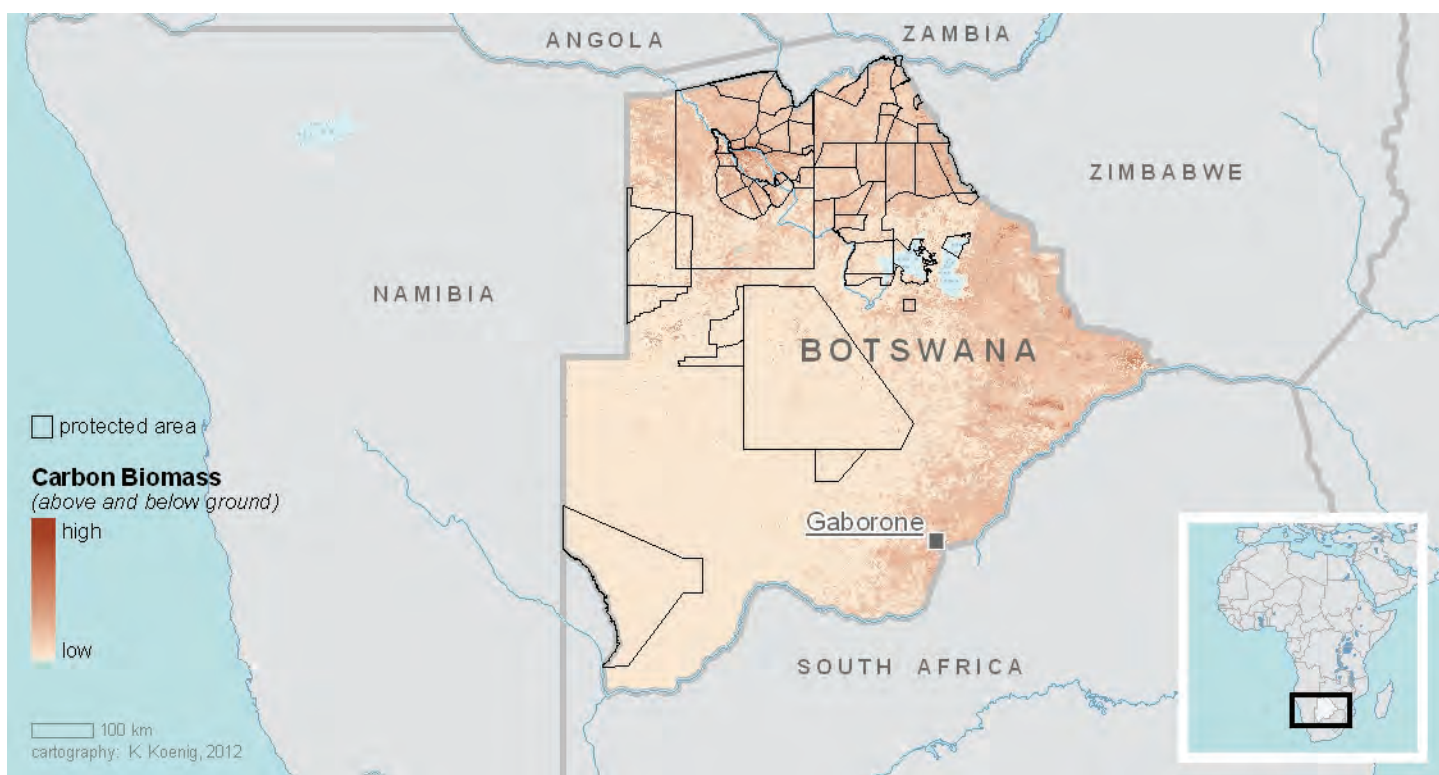


# SUMMIT FOR SUSTAINABILITY IN AFRICA

## Natural capital and ecosystem services profile

### BOTSWANA



#### GENERAL INFORMATION

**Total area:** 580,000 km<sup>2</sup>  
**Population (2011 estimate):** 2,031,000  
**Urban population (2011 estimate):** 61.8%  
**Population density (2009):** 3.4/km<sup>2</sup>  
**Population growth rate (2010 estimate):** 1.3%  
**GDP PPP (2011 estimate):** US\$ 30.09 billion

#### PROTECTED AREAS (2012)

**Area covered by protected areas:** 214,813 km<sup>2</sup>  
**Percentage of country covered by protected areas:** 36.93%  
**Number of Key Biodiversity Areas (KBAs):** 11  
**Number of Alliance for Zero Extinction (AZE) sites:** 0  
**Area of KBAs and AZE sites:** 139,937 km<sup>2</sup>  
**% of KBAs and AZE sites included in protected areas:** 82.5%

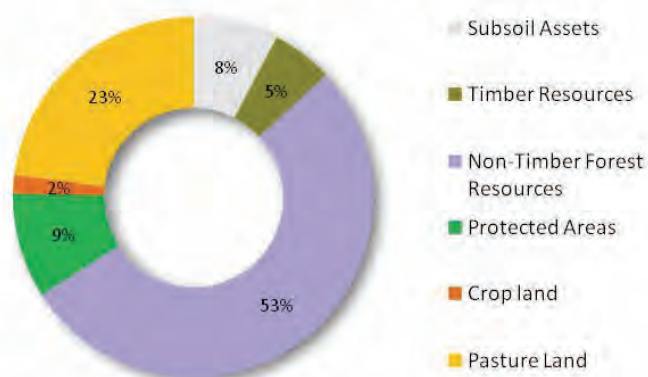
#### TOTAL WEALTH (2000, in millions of US\$)

**Natural capital:** US\$ 3,183 (8%)  
**Produced capital:** US\$ 8,926 (22%)  
**Intangible capital:** US\$ 28,483 (70%)

#### NATURAL CAPITAL (2000, in millions of US\$)

**Sub-soil assets:** US\$ 246 (8%)  
**Timber resources:** US\$ 172 (5%)  
**Non-timber forest resources:** US\$ 1,681 (53%)  
**Protected areas:** US\$ 299 (9%)  
**Crop land:** US\$ 55 (2%)  
**Pasture land:** US\$ 730 (22.93%)

#### Natural Capital Composition



Source: World Bank, 2006

## ECOSYSTEM SERVICES

### CARBON BIOMASS (2011, above and below ground)

Total carbon biomass (country): 415 mega tons

Carbon biomass in protected areas: 165 mega tons

% of carbon biomass in protected areas: 39.70%

### FRESHWATER

#### Water quality - % of threat mitigation

Country: 24.4%

Protected areas: 31.4%

#### Stable flow delivery - % of stable flow delivery

Country: 37.6%

Protected areas: 51.2%

#### Flood prevention - % of mitigation of flooding risks

Country: 29.2%

Protected areas: 39.9%

Water withdrawal (% from total): 1.58%

### FISHERIES

Capture production (2010): 60 metric tons

Aquaculture production: N/A

### FOOD PRODUCTION (2009)

Food production index (2004-2006 = 100): 116

Cereal yield: 569.4 kg/ha

Agriculture, value added of GDP: 3.14%

## TOURISM

### Tourism contribution to GDP (2011)

Total: US\$ 1.316 billion

Percentage: 6.4%

## PRESSURES ON NATURAL CAPITAL

Threats to biodiversity (in order of importance): *habitat destruction and reduction/barriers to movement, overabundant native species, fire, over-exploitation.*

Forest area (2010): 11,351,000 ha

% of country covered by forest (2010): 20%

% change in forest area (2000-2010): -1.0%

Total carbon emissions (2008): 4,840 kilotons

Per capita carbon emissions (2008): 2.5 metric tons



Botswana - © Rod Mast/CI

