

Appendices

Appendix I: Basic Information for 10 Millennium Villages

Site (MRV Name, Country)	Agro-ecological Zone*	Elevation (m)	Precipitation (mm/annum)**	Population Density (persons / km ²)***	Persons per Household	Population
Bonsaaso, Ghana (GHA)	Tree crop	147	1359	76	5.2	35,000
Dertu, Kenya (KEN)	Pastoral	0	495	4	6.0	6,150
Ikaram, Nigeria (NGA)	Root crop (Guinea savanna)	386	1605	N/A	4.5	20,000
Mayange, Rwanda (RWA)	Highland perennial	1432	1195	298	4.8	22,900
Mbola, Tanzania (TZA)	Maize-mixed (unimodal)	1168	960	44	5.6	38,740
Mwandama, Malawi (MWI)	Cereal root-crops mixed (Southern Miombo)	1035	986	496	4.0	34,260
Pampaida, Nigeria (NGA)	Cereal root-crops mixed (Sudan savanna)	603	987	178	6.0	26,600
Potou, Senegal (SEN)	Coastal-artisanal fishing	10	406	64	9.7	31,690
Ruhiira, Uganda (UGA)	Highland perennial	1495	1245	325	5.3	51,710
Tiby, Mali (MLI)	Agrosilvo-pastoral	283	677	80	13.8	74,350

*Adapted from FAO, 2001.

** Unpublished data: International Research Institute for Climate and Society, The Earth Institute at Columbia University. 2006. Monthly satellite estimated rainfall averaged over the period from 1979-2005. Data compiled by Eric Holthaus, using methodology by Janowiak, J. E. and P. Xie, 1999: CAMS_OPI: A Global Satellite-Rain Gauge Merged Product for Real-Time Precipitation Monitoring Applications. J. Climate, vol. 12, 3335-3342.

***MVP Demographic Survey, 2007.

Appendix II: GPS Data Collection Check List

Questions for Point Locations and Access Attributes:

This document has 3 parts:

- A) A chart listing types of locations for which your team should acquire location information (such as GPS latitude & longitude points)
- B) A list of general Access Attribute questions, which can be applied across many location types
- C) A list of specific questions to be applied only to a given type of facility.

Section A) Chart of which questions to ask at what type of facility

Types of facilities or locations	Attributes for each – refer to Access Attribute Questions below	
Health Facilities	Location Power Access Water Access	Road/Transport Access Computer/Internet Access Mobile Phone Coverage
Educational Facilities (Primary and Secondary)	Location Power Access Water Access	Road/Transport Access Computer/Internet Access Mobile Phone Coverage
Other Gov't / Community building	Location Power Access Water Access Road/Transport Access	Computer/Internet Access Mobile Phone Coverage Plus: Additional questions for this location type (see list below)
Markets / Trading Centers	Location Power Access Water Access Road/Transport Access	Computer/Internet Access Mobile Phone Coverage Plus: Additional questions for this location type (see list below)
Mobile Phone Towers	Location Power Access	Road/Transport Access
Churches / Mosques / religious institution	Location Power Access Water Access Road/Transport Access	Computer/Internet Access Mobile Phone Coverage Plus: Additional questions for this location type (see list below)
Warehouses / Cereal Banks	Location Power Access Water Access Road/Transport Access	Computer/Internet Access Mobile Phone Coverage Plus: Additional questions for this location type (see list below)
Transportation Points (Bridges and Culverts)	Location	Plus: Additional questions for this location type (see list below)

Section B) Access Attribute questions:

These are questions to be applied to for specific locations according to the chart above. Note that other surveys exist for specific types of facilities (schools, clinics, water points) that are more detailed.

POWER ACCESS:

“What types of power sources are available at this facility?”

Choices:

- None/no power source
- Generator
- Solar system
- Grid connection/power/PHNC/NEPA
- Other: Please specify:

WATER ACCESS:

“What types of water source are available less than 100 meters away from the school or within the premises?”

Choices:

- No water source within 100 meters of the facility or within the premise/compound
- Borehole/tube well
- Protected dug well
- Unprotected dug well
- Protected spring
- Unprotected spring
- Other: please specify:

ROAD / TRANSPORT:

“What types of road access is available less than 100 meters away from this location?”

Choices:

- paved, year-round access;
- paved, seasonal access;
- gravel / murrum; all-weather;
- gravel / murrum, seasonal;
- dirt (or lower level road with vehicle access) seasonal OR all-weather;
- footpath or other, non-vehicle access.
- Other, please specify:

COMPUTER / INTERNET SERVICE AT A LOCATION:

Does this location have one or more working computers:

- **Choices:** Y/N (then, if Yes, continue to...)

Do any computers have internet connectivity:

- **Choices:** Y/N

Does this location have mobile phone coverage?

- **Choices:** Y/N

Section C) Additional questions for specific types of institutions

LOCATION TYPE: OTHER PUBLIC / GOVERNMENT BUILDINGS: (DEFINITION/EXAMPLES: LOCAL GOVERNMENT OFFICES, CHIEF’S HOME/RESIDENCE, MINISTRY OR DEPARTMENT OFFICE SUCH AS AGRICULTURE/AG EXTENSION, WATER, ETC.)

“Is this government building related to one or more of the following...”:

“ANY level of government (Village / community / district / provincial / regional, national government)”:

- **Choices:** Y/N

“Ministry or Department office?”

- **Choices:** Y/N

If Y, then choose between:

- agriculture,
- water,
- public works,
- [add any others to list that are needed]
- Other, specify:

LOCATION TYPE: MARKETS / TRADING CENTERS:

(DEFINITION: A MARKET MUST HAVE MORE FOUR OR MORE VENDORS OF ANY KIND (SHACKS, STALLS, ETC.)

“Is this market open every day?”

- **Choices:** Y/N (if Y, continue to):

Is there anyone at the market with a generator (petrol/diesel), or grinding mill (fuel or electric)?

- **Choices:** Y/N

“Is there anyone at the market with an electric grid connection?”

- **Choices:** Y/N

Do any of the vendors sell ANY of the following: kerosene or batteries? Y/N

CHURCHES / MOSQUES/RELIGIOUS INSTITUTION:

“What is the name of this church/mosque/religious institution?”

- Text name

WAREHOUSES / CEREAL BANKS

“What is the name of this warehouse / cereal bank?”

- Text name

TRANSPORTATION POINTS: THERE ARE TWO SETS OF KEY TRANSPORTATION POINTS: BRIDGES AND CULVERTS:

For Bridges:

“Choose the largest of the following types of transport that can pass this bridge”

Choices:

- Pedestrian / footbridge,
- motorcycle,
- car, pickup
- truck, lorry
- train

FOR CULVERTS:

“Choose the largest of the following types of transport that can pass this culvert”

Choices:

- Pedestrian / footbridge,
- motorcycle,
- car, pickup
- truck, lorry
- train

