Disturbance Questionnaire

Instructions

If you are setting up a new plot...

Read through the questions in the left-hand column and respond either true or false by marking in the appropriate column. If you do not know the answer leave it blank.

If you answer a question as true, then move to the right-hand column and answer any additional questions.

If you are resampling a plot...

Read through the questions and determine if there has been any change in the plots since the last census related to the questions. If there has been no change, make a mark in the "No Change" column. If there has been a change, mark either true or false. If true, please answer the associated questions in the right-hand column.

Plot Information

Site:

Plot name:

PI:

Data recorder:

Date:

Past Land Use	True	False	No Change	If true…
Manipulation experiment? Is any aspect of the plot's land use or environmental conditions manipulated by scientists?				*Describe the manipulation:*
Protected Area Is the plot within a protected area?				*Name:* *Type:* *WDPA code:*
Local community rights				*What is the local community allowed to harvest (non-commercial use)?* **Trees NTFP Both**
Other usufruct rights Do other people (i.e. outsiders) have rights to harvest?				*What do other people (i.e. outsiders) have rights to harvest?* **Trees NTFP Both**
Timber harvesting Are there trees being harvested for timber - i.e. for making industrial wood products (not including poles)?				*What is the intensity of harvesting?* **Clear-cut Selective Other – please note:**
Fuel wood harvesting Is there evidence of fuel wood collection (excludes charcoal production)?				*What is the intensity of harvesting?* **Clear-cut Selective Other – please note:**
Charcoal harvesting Evidence of charcoal makers harvesting trees in the plot?				*What is the intensity of harvesting?* **Clear-cut Selective Other – please note:**
Other woody product harvesting Other evidence of people harvesting woody material or felling trees for e.g. string, beehives, poles for building				*What is the intensity of harvesting?* **Clear-cut Selective Other – please note:**
NTFP harvesting Is there evidence of people harvesting non-timber forest products, e.g. mushrooms, honey, fruit, etc?				*Notes on main products and intensity of harvesting:*
Used for crops in last 30 years? Is it likely that the plot was used for farming crops in the last 30 years?				*What kind of farming? (Circle all that apply)* **Shifting cultivation (slash and burn)** **Subsistence / Commerical / Large-scale** **Mechanized / Manual**
Used for livestock in last 30 years? Is it likely that the plot was used for livestock in the last 30 years?				*What kind of livestock? (Circle all that apply)* **Nomadic herding Livestock ranching**
High-graded in last 100 years. Is it likely that high quality timber trees were removed from the plot in the last 100 years?				
Clear-cutting? Has any part of the plot ever been clear cut?				*In what year was it clear-cut?* *Why was it cleared? (Circle all that apply)* **Fire Agriculture Timber Harvesting Infrastructure**
Mining Has there been any mining on the plot in the past?				*What kind of mining?* **Place Surface In situ Underground** *What was mined?*

Land Use Confidence

How confident are you in your knowledge of land use on the plot? (Circle)

Not confident   Somewhat confident   Confident   Very Confident

Land Use Comments

Fire	True	False	No Change	If true…

Fire Interval
 	
Do fires ever impact this plot?
				How frequently do fires occur?
				     Every _____ years
				Are signs of fire visible on the plot?
				     Yes No
				When was the last fire?
				
				What commonly causes fires at this plot? (Circle all that apply)
				     Management Accidental Lightning Unknown
				What do fires on this plot typical burn? (Circle all that apply)
				     Canopy Understory (grass) Ground/Litter

Fire Management Is there any attempt to deliberately burn the plot? (This does not include spillover fires from neighboring lands)				*In what season is it burned?*
Fire Exclusion Has fire ever been excluded from the plot?				*When did fire exclusion begin?* *When did fire exclusion end? (NA if on-going)* *Is the fire exclusion successful?*

Fire Confidence

How confident are you in your knowledge of fires on the plot?

Not confident   Somewhat confident   Confident   Very Confident

Fire Comments

Natural Disasters	True	False	No Change	If true…
Tropical Cyclones Do tropical cyclones ever impact this plot?				*When was the last major event?*
Drought Do major droughts ever impact this plot?				*When was the last major event?*
Frost Do severe frost events ever impact this plot?				*When was the last major event?*
Wind Events Do severe wind storms or tornados ever impact this plot?				*When was the last major event?*
Earthquake Do earthquakes ever impact this plot?				*When was the last major event?*
Landslides Do landslides or mudslides ever impact this plot?				*When was the last major event?*
Flooding Do major floods ever impact this plot?				*When was the last major event?*

Natural Disaster Confidence

How confident are you in your knowledge of natural disasters on the plot?

    Not confident   Somewhat confident   Confident   Very Confident

Natural Disaster Comments

Herbivores	True	False	No Change	If true…
Wild Herbivores Does the plot have a significant population of wild herbivores that impact the survival of trees?				*Notes:*
Elephants Do elephants ever visit this plot?				*At what density do elephants occur on the site per 100 km²?* **Low (<50) Moderate (50-150) High (>150) Unsure**
Cattle Do domestic cattle feed on the plot?				*Notes:*
Goats/Sheep Do goats or sheep feed in the plot?				*Notes:*
Herbivore Exclosures Are herbivores excluded from the plot by a fence?				*What size herbivores are excluded? (Circle all that apply)* **Extra-large (>1000kg) Large (100-1000kg)** **Medium (30-100kg) Small (<30kg)**

Herbivore Confidence
How confident are you in your knowledge of herbivores on the plot?
   Not confident   Somewhat confident   Confident   Very Confident

Source of Herbivore Data
(Who? How reliable?)

Herbivore Comments