







Coping Strategies	Tribes Practising
 Forecasting and prediction techniques through indigenous ways (i.e. abnormal behavior of animals, appearance of clouds, etc.) 	all
2. Early warning systems (use of horns, drums, etc.)	all
3. Storage/stock piling of food and emergency supplies	All
- subsisting on hunting and / wild plants/animals	6,8
- preserving food to be stored through drying	8
- locating water sources in hills / mountains	7
4. Carefully choosing settlement sites (hazard mapping)	1,2,3,9
- above rivers or in areas between opposing hills/mountains to ensure typhoon winds are weakened	3,9
- settling in upper parts of the mountains or hillsides or in the middle portion of the mountain	3,9
- choosing areas where there are no ground cracks and loose soils above their settlements	3,9

Coping Strategies	Tribes Practisin
5. Building flood-and typhoon- resilient houses and/or strengthening	
houses, infrastructures - use of high and strong posts of houses	1,5
- building houses close to the ground/over areas with stable foundation, with tapered roofs and tightly-closed windows	2
- building houses with stilts or wooden piles (towering 3 to 7 meters from the ground along slopes of mountains)	2,4,6
 building houses to take advantage of the contour of the terrain/situated near the sea/facing the direction which affords protection from frequent strong winds 	2
- lessen the effects of wind loading by aligning windows directly	8



Coping Strategies	Tribes Practising
 6. Easy mobility during floods, small boats called bancas are held ready & used/non-motorized modes of transport are also used migration to higher grounds/seeking refuge in caves, big trees, etc. transfer to productive areas located deep into the mountains where water sources could be found 	5,6,7,8



Coping Strategies	Tribes Practising
7. Crisis-adaptive agricultural practices	
- planting of tree belts along farm boundaries as wind breakers,	1
 pruning and cropping of fruit and flowering trees to lessen weight of trees, 	1
- multicropping and intercropping,	1
 planting fields are usually located in high elevated and mountainous slopes, 	1,2
 use of ditches/canals to divert rainwater away from their crops during rainy days, 	1,2
- herding of cows/buffalos to the part of the hills where wind velocity is less,	1
- speedy harvest of ready crops before the typhoon hits the area, and	3,9
- use of drought-resistant crops/root crops only	6

Coping Strategies	Tribes Practising	
 8. Agricultural/engineering interventions and countermeasures construction of seawalls, embankments and more massive ripraps (usually a meter thick and 2-3 meters tall) as protection against storm surges/floods/ to prevent water from overflowing to rice paddies/terraces planting trees in areas above carefully-chosen settlements, rainwater collection technique as used by tribes in Mindanao, planting of trees along riverbanks and steep inclines, and declogging of waterways/river flow (creeks/canals, etc.) of debris 	1,2,7,10 3,9 10 8 7	
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	Coping Strategies	Tribes Practising
9.	Organizing themselves and through the "bayanihan" spirit, establish self-sufficiency efforts for a more profitable livelihood than farming or when farming becomes untenable	2,5,10
10.	Setting up guiding principles by tribe elders, specifically the empowerment of the tribes with primary right over the management of the ancestral domains together with tenured migrant settlers (i.e. sustainable harvesting of products, hunting only those destructive to crops, planting indigenous species, etc.)	8
11.	Conservation of forest cover of the watersheds - woodlot forests ("Muyung") to prevent soil runoff and erosion, - preserving mangroves growing at or near piers	2,9 10



	Coping Strategies	Tribes Practising
12.	Preparing/implementing comprehensive land use plan to protect watersheds	2
13.	Proper maintenance of the catchment areas and rational/proper utilization of all available natural resources	9
14.	Organizing women of the tribes as a support group when natural disasters occur	9,11

Opportunities	Barriers
Among the indigenous communities, continued/sustained practice of these strategies is certain because the elders who constitute their councils are chosen on the basis of their perceived wisdom and credibility	- May not be replicated successfully in non-denominational communities because spirit of togetherness or sense of belonging is not strong
 The practice of carefully choosing sites for settlements in a clear sign of the indigenous people's propensity for hazard mapping 	- These communities may be averse to changes when these are warranted
- The spirit of "bayanihan" could be exploited to foster self-help and self- sufficiency	 Some activities like stockpiling of crop seeds/fodder varieties may not always be possible unless assistance is provided by the national/local government
 Sustainable harvesting of forest products could be adopted even in other communities 	- Maybe highly dependent on government support
- The devolution of local government could be conducive to easier replication of sound strategies in grassroot level	- Adoption of certain strategies may need support from national level

