**Appendix 1.** An extract of a portion of the matrix resulting from the process of 'morphological analysis'.

Table A1.1 The following table presents one set of row and columns from the matrix of drivers and variables used in the Mexican case, to illustrate the results of carrying out 'morphological analysis'. In this case, the complete matrix contained seven variables, each previously identified by the community as a key aspect of the local socio-ecological system. The matrix contents were used during the creation of alternative contrasting future scenarios. For more information about the drivers and all the system variables included in this matrix see Escalante Semerena et al. (2014).

System variable	Drivers of change									
	Social driver: Tightening/ loosening immigration controls in US		Technological driver: Change in timber harvesting machinery		Environmental driver: Climate change		Economic driver: Changes in global market prices for timber products		Political driver: Mexican Political stability	
	State 1: US immigration controls tighten and allow fewer entries per year	State 2: US immigration controls are relaxed and allow more entries per year	State 1: Improvement reducing production costs	State 2: Technology remains the same and productions costs increase	State 1: Temperatures increase slightly, rainfall patterns remain similar to today	State 2: Temperatures increase 2C, rainfall decreases significantly	State 1: Timber prices go up	State 2: Timber prices go down	State 1: Self- defence forces are not in the territory	State 2: Self- defence forces appear in the territory
Extraction levels and exclusion rights of forestry	Extraction levels increase to satisfy population's needs	Extraction levels would reduce as demand reduces	Increased extraction levels, with exclusion of external individuals	Extraction levels would decrease	Levels of extraction levels and exclusion would remain constant	Extraction levels would be lower as forest system changes	Increased extraction levels and increased exclusion of external individuals	Extraction levels and external exclusion would both be lower	Extraction levels and external exclusion would both be lower	Extraction and rights to access would controlled by external and violent groups