

附录 3 青海省土地利用类型、干扰强度的划分及其对应 *MSA* 值的确定(*MSA* 指平均物种丰度)

Appendix 3 Classification of land use types and disturbance intensities, and determination of their mean species abundance (*MSA*) values in Qinghai Province

主要的土地利用类型 Major land use types	干扰强度划分 Disturbance intensity classification	<i>MSA</i> 值* <i>MSA</i> value*	描述 Description
湿地 Wetlands	低干扰湿地 Low-disturbance wetlands	1	最小化干扰, 处于自然保护地范围内的天然湿地 Minimal disturbance, natural wetlands within the boundaries of nature reserves
	中干扰湿地 Medium-disturbance wetlands	0.7	不在自然保护地范围内的天然湿地 Natural wetlands that are beyond the boundaries of nature reserves
	高干扰湿地 High-disturbance wetlands	0.5	人工开挖的河渠、坑塘水库等人工湿地 Artificial wetlands such as excavated rivers and canals, ponds and reservoirs
	森林 Forests	原生林 Primary forests	1
农田 Agricultural lands	人为干扰林 Disturbed forests	0.7	包括人工林和次生林在内的森林, 有一定的人为干扰活动 Forests including plantation and secondary forests that with some anthropogenic disturbance activities
	优质农田 Quality agricultural lands	0.1	水热条件、地理位置等适宜耕作的农田, 发展集约农业, 单一物种 Farmland suitable for cultivation with good hydrothermal conditions and geographical location; intensive agriculture, usually monoculture
草地 Grasslands	常规农田 Low-input agricultural lands	0.3	传统农业方式, 通过间套作等生产方式仍保留一定的其他物种 Traditional agricultural modes, still retaining certain other crop species via intercropping production modes
	低强度草地 Low-intensity grasslands	1	天然草地, 围封、打草等, 最小化人为干扰, 无放牧情况 Natural grasslands, with fencing, haying, etc. Minimal human disturbance, no grazing
	中强度草地 Medium-intensity grasslands	0.7	轻度或中度放牧草地, 与 GLOBIO3 模型的取值一致 Lightly or moderately grazed grassland, consistent with the GLOBIO3 model value
荒漠 Deserts	高强度草地 High-intensity grasslands	0.2	包括天然草地、人工草地, 利用方式为重度放牧 Including natural and artificial grasslands, both with heavy grazing
	冰川雪地 Glacier and snow	1	包含沙地、戈壁、裸地等未利用土地 Including unused barren land such as sand beach, desert, Gobi and bare land
建设用地 Built-up areas		1	永久性覆盖冰雪且未受干扰的区域, 与 GLOBIO3 模型的取值一致 Areas permanently covered with snow and ice and undisturbed, consistent with the <i>MSA</i> value used by the GLOBIO3 model
		0.05	城镇区域, 与 GLOBIO3 模型的取值一致 Urban areas, consistent with the input value of the GLOBIO3 model

*表示 *MSA* 值的定义方法参见正文中公式 1。*Indicates the *MSA* value is defined by equation 1 in the text.