

List of Pictures

Picture		Page
4.1	The broad outlet of Wadi Wurayah into the flat gravel plain. Steep ridges of ophiolite outcrops are clear in the back of the photographs....	42
4.2	Photograph showing a thick section of alluvial gravel that forms the main fresh water aquifer in the region. Deep in sizing of wadi channel coincided with drop in sea level.....	42
6.1	Giant reed (<i>Arundo donax</i>) and <i>Saccharum ravennae</i> nearby a permanent freshwater source.....	65
6.2	<i>Typha domingensis</i> found in one pool of Wadi Wurayah.....	66
6.3	A permanent fresh water source at the area of the study.....	67
6.4	Aquatic vegetation of the study area.....	68
6.5	Garra species are the only native primary freshwater fish species found in the study area (Tourenq et al., 2006).....	69
6.6	Natural vegetation at the downstream of the study area.....	72
6.7	The unique orchid species of UAE, <i>Epipactis veratrifolia</i> was found in Wadi Wurayah (Tourenq et al., 2006)	73
6.8	<i>Acacia tortillis</i> is another type of terrestrial flora existing in the study area.....	73
6.9	Blanford's Fox (up) and Mountain Gazelle (down) (Tourenq et al., 2006).....	77
6.10	The Caracal Lynx is the super-predator of the study area (Tourenq et al., 2006).....	78
6.11	Arabain Leopard may still be found in the study area (Tourenq et al., 2006).....	78
7.1	Gazing activities existing at the study area.....	88
7.2	Farms used in commercial way as a source of honey production.....	90
7.3	One of the agricultural activities recorded in the study area.....	91
7.4	Palm Trees has been recorded in the study area in different farms.....	91
7.5	The impact of the salt-water intrusion recorded in different locations specially at farms located near the cost.....	92

Picture		Page
7.6	The Old Souk represents one of the Commercial activities in the area.....	93
7.7	Industrial activities at the coastal plain.....	94
7.8	Quarry represents one of the environmental stresses in the study area.....	94
7.9	The mineral water factory located at the outlet of Wadi Wurayah.....	95
7.10	A new Artificial island in the Bidiyah Village.	97
7.11	Constructions are one of the booming activities in the study area.....	97
7.12	Domestic wastes needs to be monitored.	98
7.13	Liquid and solid wastes dumped with illegal way.....	98
7.14	Private tanker pollutes the an area by dumping untreated water.....	99
7.15	Vegetation flourished following the track of untreated water.....	99
7.16	One of the villages located in side the Wadi Wurayah.....	100
7.17	Small village near the outlet of the Wadi Wurayah at the coastal plain.....	100
7.18	The Bidiyah Old Masjed.....	101
7.19	Hotels and resorts are strong infrastructure for tourism industry in the study area which could support the futuristic ecotourism activities.....	103
7.20	Many tourists are interesting to visit the wadis for recreation.....	104
7.21	Roads network support the development of the study area.	105
7.22	Tarmac road to Wadi Wurayah and its dam.	106
8.1	Falaj System used in the Eastern Coast Region of the UAE.....	120
8.2	General view of the Wadi Wurayah recharge dam.....	139
8.3	Mud traces after rainfall at the area of the dam.....	139
8.4	General view of the Wadi Zikt recharge dam.....	140
8.5	One of the water breakers at the area of the study.....	140
11.1	General view for the Gateway to the proposed Wurayah Biosphere Reserve.....	208

Picture		Page
11.2	The gateway to the core and buffer zones of the Wurayah Biosphere Reserve on the Tarmac Road toward the coastline.....	209
11.3	One of the roads leads to the Wurayah Biosphere Reserve.....	209
11.4	Impact of flash flood on the commercial activities in Sharm village....	211
11.5	The impact of flash flood on the life style of Sharm village.....	213
11.6	A channel constructed by the government near the coastal villages to control the sea level rise.....	213
11.7	The impact of flash flood on the farms at the Sharm village.....	214
11.8	The impact of flash flood on natural vegetation of Sharm village.....	214
11.9	Overview of the Sharm village.....	215
11.10	Sandy dam of the Sharm village after the flash flood event.....	215
11.11	Outcrop of volcanic rocks in the study area.....	217
11.12	Cross-section showing a part of the geologic features of the study area.	219
11.13	An upstream village at the study area.....	221
11.14	A downstream village at the study area.....	222
11.15	An overview of a mosaic between natural vegetation and agricultural activates at the study area.....	222
11.16	One of the old settlements recorded in the study area reflecting the ancient cultural heritage.....	223
11.17	A common water pool existing at Al-Wurayah Basin.....	224
11.18	General View for the common water pool existing at Al-Wurayah Basin, which represents one of the attracted sites for tourists.....	226
11.19	A mountainous resort is under construction (left).....	230