

# Contents

---

Abbreviations .....	7
<i>Acknowledgements</i> .....	9
Introduction <i>L. Stančo</i> .....	11
<b>1. Research area</b> <i>L. Stančo</i> .....	13
1.1 Natural conditions .....	13
1.1.1 Geography and geomorphology .....	13
1.1.2 Waters .....	14
1.1.3 Climatic conditions .....	16
1.2 Previous research .....	17
<b>2. Extensive archaeological survey</b> <i>L. Stančo</i> .....	21
2.1 Methods and pre-processing .....	21
2.1.1 Base data layers for detection of the sites and digitizing .....	21
2.1.2 Digitization .....	24
2.1.3 Detection of anthropogenic features from the satellite imagery .....	25
2.1.4 Detection of anthropogenic features from the topographic maps .....	25
2.2 Survey process: field data collection .....	26
2.2.1 Spatial data .....	26
2.2.2 Topographic documentation of the sites .....	26
2.2.3 Dating the sites .....	26
2.2.4 Archaeology of modern cemeteries .....	27
2.2.5 Intensive field survey .....	28
2.3 Evaluation of previous literature and confrontation with previous research .....	28
2.4 General results: statistic overview of the gained data .....	29
<b>3. Intensive surface survey</b> <i>P. Tušlová</i> .....	31
3.1 Introduction .....	31
3.2 The agricultural conditions of the Sherabad Oasis .....	31
3.3 The field cover, factors of visibility and passability .....	32
3.4 Methodology .....	35
3.4.1 Data collecting .....	35
3.4.1.1 Intensive field survey .....	36
3.5 The surface material division .....	40
3.5.1 Classification of the material .....	40
3.5.2 The size of the fragments .....	41
3.6 Introduction to the Field Survey .....	41
3.7 The scatter and the site .....	42
3.7.1 The definition of the scatter and of the site .....	42
3.7.2 The character of the scatter and of the site .....	42
3.8 The areas of the field survey .....	43
3.8.1 The area of Kulugshatepa (scatter ShFS01) .....	43
3.8.2 The area of Gorintepa (scatter ShFS02) .....	52

3.8.3	The area of Shishtepa (scatter ShFS03) . . . . .	60
3.8.4	The area of Ayritepa (scatter ShFS04) . . . . .	66
3.8.5	The area of Jandavlattepa . . . . .	71
3.8.6	The area of Talashkantepa II . . . . .	79
3.9	Conclusion . . . . .	80
<b>4.</b>	<b>Archaeological sites in the Sherabad Oasis</b>	
	<i>L. Stančo, Sh. Shaydullaev, A. Shaydullaev, A. Danielisová, T. Annaev</i> . . . . .	95
4.1	Structure of the catalogue . . . . .	95
4.2	Catalogue of the archaeological sites of the Sherabad Oasis . . . . .	97
<b>5.</b>	<b>The oasis in time and space: dynamics of the settlement pattern</b> <i>L. Stančo</i> . . . . .	353
5.1	Settlement distribution . . . . .	353
5.2	Sapalli culture (Late Bronze Age) . . . . .	355
5.3	Yaz culture (Early Iron Age) . . . . .	356
5.3.1	Yaz culture in the Sherabad plain – state of research . . . . .	356
5.3.2	New data for the Sherabad plain . . . . .	357
5.3.3	Surroundings of Jandavlattepa in the Yaz culture period . . . . .	357
5.3.4	Pachmaktepa . . . . .	358
5.3.5	Yalangoyokotatepa . . . . .	359
5.3.6	Other Yaz culture sites . . . . .	360
5.3.7	Centre and its satellites . . . . .	360
5.3.8	Irrigation systems in the Yaz period? . . . . .	361
5.3.9	Conclusions . . . . .	361
5.4	Hellenistic and transitional period . . . . .	362
5.4.1	Archaeological data . . . . .	362
5.4.2	Historical implications . . . . .	364
5.5	Kushan and Kushano-Sasanian period (1 <sup>st</sup> –4 <sup>th</sup> c. AD) . . . . .	366
5.5.1	Irrigation system . . . . .	366
5.5.2	Settlement hierarchy . . . . .	370
5.5.3	Historical implications . . . . .	371
5.6	Early Medieval period (5 <sup>th</sup> –8 <sup>th</sup> c.) . . . . .	372
5.6.1	Written sources . . . . .	372
5.6.2	Settlement pattern . . . . .	374
5.6.3	Historical implications . . . . .	374
5.7	High Medieval period / pre-Mongol period . . . . .	376
5.8	Post-Mongol period . . . . .	378
5.9	Pre-modern period . . . . .	379
5.10	Sherabad Oasis nowadays . . . . .	380
<b>6.</b>	<b>Pottery from the extensive surface survey</b> <i>M. Kobiorská</i> . . . . .	387
6.1	Structure and description of the catalogue Acquisition of the examined pottery assemblage . . . . .	387
	List of Catalogue Abbreviations . . . . .	389
6.2	Catalogue of pottery from the extensive surface survey . . . . .	390
<b>7.</b>	<b>Conclusions</b> <i>L. Stančo</i> . . . . .	489
<b>8.</b>	<b>Bibliography</b> . . . . .	491