

Environmental and Social Impact Assessment

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Uzbekistan: Samarkand 1 Solar PV and BESS Project

Appendixes – Part 6

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Figure 87 Sample plot 45 (39.56555° N, 66.71898° E), 70 km OTHL, Nurobod District of Samarkand Region, dry temporary stream, garbage dump and gravel extraction



Figure 88 Sample plot 46 (39.56149° N, 66.702735° E), 70 km OTHL, Nurobod District of Samarkand Region, dry foothills, camel thorn-ephemeroid community



Figure 89 Sample plot 46 (39.56149° N, 66.702735° E), 70 km OTHL, Nurobod District of Samarkand Region, non-irrigated (rainfed) arable land



Figure 90 Sample plot 47 (39.5678° N, 66.65157° E), 360 km OTHL, Pastdargom District of Samarkand Region, a vineyard overgrown with weeds, 5 km to the southeast of village Khancharvak



Figure 91 Sample plot 48 (39.567825° N, 66.613356° E), 360 km OTHL, Pastdargom District of Samarkand Region, irrigated cotton field 3 km to the south of village Khancharvak



Figure 92 Sample plot 48 (39.567825° N, 66.613356° E), 360 km OTHL, Pastdargom District of Samarkand Region, irrigated peanut field 3 km to the south of village Khancharvak



Figure 93 Sample plot 49 (39.56072° N, 66.58319° E), 360 km OTHL, Pastdargom District of Samarkand Region, apple garden and a boundary-strip 2 km to the south of village Khancharvak



Figure 94 Sample plot 49 (39.56072° N, 66.58319° E), 360 km OTHL, Pastdargom District of Samarkand Region, a new apple garden and a boundary-strip 2 km to the south of village Khancharvak



Figure 95 Sample plot 50 (39.52184° N, 66.464766° E), 70 km OTHL, Nurobod District of Samarkand Region, 2.5 km to the northwest of the village Sarikul, dry foothills among rainfed fields, camel thorn-ephemeroid community



Figure 96 Surroundings of sample plot 50 (39.52184° N, 66.464766° E), 70 km OTHL, Nurobod District of Samarkand Region, 2.5 km to the northwest of the village Sarikul, rainfed arable lands



Figure 97 Sample plot 51 (39.507245° N, 66.40238° E), 70 km OTHL, Nurobod District of Samarkand Region, strongly degraded dry foothills and the canal Moskow



Figure 98 Sample plot 52 (39.49269° N, 66.31366° E), 70 km OTHL, Nurobod District of Samarkand Region, dry foothills among rainfed fields, ephemeroïd community



Figure 99 Surroundings of sample plot 52 (39.49269° N, 66.31366° E), 70 km OTHL, Nurobod District of Samarkand Region, rainfed arable lands



Figure 100 Sample plot 53 (39.489311° N, 66.299027° E), 70 km OTHL, Nurobod District of Samarkand Region, dry foothills, camel thorn-ephemeroid community



Figure 101 Sample plot 54 (39.4145° N, 66.010276° E), 70 km OTHL, Nurobod District of Samarkand Region, 1.5 km to the south of the village Koshkuduk, piedmont plain, strongly overgrazed camel thorn-ephemeroid community



Figure 102 Sample plot 55 (39.42285° N, 65.99433° E), 70 km OTHL, Nurobod District of Samarkand Region, 0.8 km to the southwest of the village Koshkuduk, piedmont plain, camel thorn-ephemeroid community

Annex B: Photo materials on species



Figure 103: *Phlomis nubilans*, endemic to Nuratau Mountains included in the Red Data Book of Uzbekistan (category 3)



Figure 104: *Phlomis thapsoides*, a common species of ephemeral-ephemeroid vegetation (Ephemerophyta), typical for piedmont plains and foothills of Uzbekistan



Figure 105: Spiny almond (*Prunus (Amygdalus spinosissima)*), dominant of xerophytic shrublands widely spread in foothills and low mountains of Uzbekistan



Figure 106: Camel thorn (*Alhagi pseudalhagi subsp. kirghisorum*), a common species of ephemeral-ephemeroid vegetation (Ephemerophyta), typical for piedmont plains and foothills of Uzbekistan



Figure 107: *Cousinia resinosa*, a common species of ephemeral-ephemeroid vegetation (Ephemerophyta), typical for piedmont plains and foothills of Uzbekistan



Figure 108: Harmel or African rue (*Peganum harmala*), poisonous plant and indicator of overgrazing



Figure 109: Barneby star thistle (*Centaurea solstitialis*), alien weed



Figure 110: Bathurst burr, or cocklebur (*Xanthium spinosum*), alien weed



Figure 111: Knot grass (*Paspalum distichum*), alien weed



Figure 112: Water-clover (*Marsilea quadrifolia*), aquatic fern



Figure 113: Reed (*Phragmites australis*), a dominant of wetland and riparian vegetation



Figure 114: Licorice (*Glycyrrhiza glabra*), a dominant of riparian vegetation



Figure 115: Oleaster (*Elaeagnus angustifolia*), a common species of riparian vegetation



Figure 116: Sallowthorn or Sea Buckthorn (*Hippophae rhamnoides*), occurs sporadically in riparian scrub in the valley of Zeravshan River



Figure 117: Siberian salt-tree (*Caragana* (*Halimodendron*) *halodendron*), a common species of riparian vegetation



Figure 118: Caper (*Capparis spinosa*), a common species of secondary forb-grass communities on fallow lands

Annex C: Species check list

Table 1: Check list of flora

Species	Life form	Distribution	Habitat type	Abundance	IUCN status	UzRDB status	Native status
Equisetaceae							
1. Equisetum arvense	perennial	Transcontinental	Canals and drainage channels; Wetlands; Riparian scrub	F-R	LC	none	native
Marsileaceae							
2. Marsilea quadrifolia	perennial	Regional	Wetlands	A	LC	none	native
Alismataceae							
3. Alisma plantago-aquatica	perennial	Transcontinental	Canals and drainage channels; Wetlands	R	LC	none	native
Potamogetonaceae							
4. Potamogeton nodosus	perennial	Transcontinental	Canals and drainage channels; Wetlands	R	LC	none	native
5. Potamogeton perfoliatus	perennial	Transcontinental	Canals and drainage channels; Wetlands	F	LC	none	native
Amaryllidaceae							
6. Allium griffithianum	7. perennial	8. Regional	9. Dry grasslands	10. R	11. NE	12. none	13. native
Typhaceae							
14. Typha angustifolia	perennial	Transcontinental	Canals and drainage channels; Wetlands; Riparian scrub	F-O	LC	none	Native
15. Typha laxmannii	perennial	Regional	Canals and drainage channels; Wetlands; Riparian scrub	O	LC	none	native
Juncaceae							
16. Juncus inflexus	perennial	Transcontinental	Canals and drainage channels; Wetlands; Riparian scrub	R	LC	none	native
Cyperaceae							
17. Bolboschoenus glaucus	perennial	Transcontinental	Canals and drainage channels	R	LC	none	native
18. Bolboschoenus maritimus	perennial	Transcontinental	Canals and drainage channels; Wetlands	O-R	LC	none	native
19. Carex muricata	perennial	Regional	Canals and drainage channels; Wetlands	R	LC	none	alien
20. Carex pachystylis	perennial	Regional	Dry grasslands; Xerophytic shrublands; Fallow lands	A-O	LC	none	native
21. Carex physodes	perennial	Regional	Sandy desert	C	NE	none	native

22. <i>Cyperus rotundus</i>	perennial	Transcontinental	Canals and drainage channels; Wetlands; Riparian scrub	F-R	LC	none	native
23. <i>Eleocharis quinqueflora</i>	perennial	Transcontinental	Canals and drainage channels; Wetlands; Riparian scrub	O	LC	none	native
24. <i>Schoenoplectus tabernaemontani</i>	perennial	Transcontinental	Canals and drainage channels; Wetlands	R	LC	none	native
Poaceae							
25. <i>Aegilops cylindrica</i>	annual	Regional	Non-irrigated arable lands; Fallow lands; Woodland belts; Boundary-strips, roadsides; Dry grasslands	F-O	NE	none	native
26. <i>Aegilops triuncialis</i>	annual	Regional	all types except for Wetlands, Wet grasslands and Sandy desert	F-O	NE	none	native
27. <i>Aeluropus litoralis</i>	perennial	Regional	Canals and drainage channels; Wetlands; Riparian scrub	F-O	LC	none	native
28. <i>Avena fatua</i>	annual	Regional	Irrigated arable lands; Non-irrigated arable lands; Fallow lands	F-O	LC	none	alien
29. <i>Bothriochloa ischaemum</i>	perennial	Transcontinental	Canals and drainage channels; Dry grasslands	O	NE	none	native
30. <i>Bromus danthoniae</i>	annual	Regional	all types except for Wetlands, Wet grasslands and Sandy desert	O-R	NE	none	native
31. <i>Bromus pumilio</i> (<i>Boissiera squarrosa</i>)	annual	Regional	Non-irrigated arable lands; Fallow lands	O	NE	none	native
32. <i>Bromus scoparius</i>	annual	Regional	all types except for Wetlands, Wet grasslands and Sandy desert	F-O	NE	none	native
33. <i>Bromus tectorum</i>	annual	Transcontinental	all types except for Wetlands and Wet grasslands	F-O	NE	none	native
34. <i>Calamagrostis pseudophragmites</i>	perennial	Transcontinental	Canals and drainage channels; Wetlands; Riparian scrub	O	LC	none	native
35. <i>Cynodon dactylon</i>	perennial	Transcontinental	all types except for Sandy desert and Xerophytic shrublands	D-O	NE	none	alien
36. <i>Dactylis glomerata</i>	perennial	Transcontinental	Fruit gardens and vineyards; Canals and drainage channels	R	NE	none	native
37. <i>Digitaria sanguinalis</i>	annual	Transcontinental	Irrigated arable lands; Fruit gardens and vineyards; Canals and drainage channels	A-O	NE	none	native
38. <i>Echinochloa crus-galli</i>	annual	Transcontinental	Irrigated arable lands; Fruit gardens and vineyards; Canals and drainage channels	O-R	LC	none	alien

39. <i>Elymus repens</i>	perennial	Transcontinental	Irrigated arable lands; Fruit gardens and vineyards; Canals and drainage channels; Boundary-strips, roadsides	F-O	NE	none	native
40. <i>Eremopyrum bonaepartis</i>	annual	Regional	all xeric natural and modified habitats except for Xerophytic shrublands	O-R	NE	none	native
41. <i>Eremopyrum distans</i>	annual	Regional	Sandy desert	R	NE	none	native
42. <i>Eremopyrum triticeum</i>	annual	Regional	Canals and drainage channels; Boundary-strips, roadsides	O	NE	none	native
43. <i>Hordeum marinum</i> subsp. <i>gussoneanum</i>	annual	Regional	Canals and drainage channels; Boundary-strips, roadsides	F	LC	none	native
44. <i>Hordeum murinum</i> subsp. <i>leporinum</i> (<i>Hordeum leporinum</i>)	annual	Regional	all types	A-O	LC	none	native
45. <i>Hordeum spontaneum</i>	annual	Regional	Irrigated arable lands; Non-irrigated arable lands; Fallow lands; Boundary-strips, roadsides; Canals and drainage channels	F-O	LC	none	native
46. <i>Hordeum vulgare</i>	annual	Transcontinental	Irrigated arable lands; Non-irrigated arable lands; Fallow lands; Boundary-strips, roadsides	F-O	LC	none	agricultural crop
47. <i>Imperata cylindrica</i>	perennial	Transcontinental	Irrigated arable lands; Boundary-strips, roadsides; Canals and drainage channels	F	LC	none	alien
48. <i>Paspalum distichum</i>	perennial	Transcontinental	Irrigated arable lands; Canals and drainage channels; Wetlands; Riparian scrub	A-F	LC	none	alien
49. <i>Phleum paniculatum</i>	annual	Transcontinental	all types except for Sandy desert	O-R	NE	none	native
50. <i>Phragmites australis</i>	perennial	Regional	Canals and drainage channels; Wetlands; Riparian scrub	A-R	LC	none	native
51. <i>Poa bulbosa</i>	perennial	Transcontinental	all types except for Sandy desert	C-O	NE	none	native
52. <i>Poa trivialis</i>	perennial	Transcontinental	Woodland belts; Canals and drainage channels	O	NE	none	native
53. <i>Polypogon monspeliensis</i>	annual	Transcontinental	Canals and drainage channels; Wetlands	R	LC	none	native
54. <i>Puccinellia distans</i>	perennial	Transcontinental	Riparian scrub; Canals and drainage channels; Wetlands	O	NE	none	native
55. <i>Sclerochloa dura</i>	annual	Transcontinental	Boundary-strips, roadsides	O	NE	none	native
56. <i>Setaria viridis</i>	annual	Transcontinental	Canals and drainage channels; Wetlands; Riparian scrub	F-O	NE	none	
57. <i>Sorghum halepense</i>	perennial	Transcontinental	all mesic modified habitats	O	NE	none	alien

58. <i>Taeniatherum caput-medusae</i>	annual	Regional	all xeric natural and modified habitats except for Sandy desert	C-R	NE	none	native
59. <i>Thinopyrum intermedium</i> (<i>Elytrigia trichophora</i>)	perennial	Regional	Xerophytic shrublands; Fallow lands	A-O	LC	none	native
60. <i>Tripsidium ravennae</i> (<i>Erianthus ravennae</i>)	perennial	Regional	Canals and drainage channels; Wetlands; Riparian scrub	O-R	LC	none	native
61. <i>Triticum aestivum</i>	annual	Transcontinental	Irrigated arable lands; Non-irrigated arable lands; Fallow lands; Boundary-strips, roadsides	D-O	NE	none	agricultural crop
62. <i>Vulpia ciliata</i>	annual	Regional	Riparian scrub	O	NE	none	native
Papaveraceae							
63. <i>Papaver pavoninum</i>	annual	Regional	all types except for Sandy desert and Xerophytic shrublands	O-R	NE	none	native
64. <i>Roemeria refracta</i>	annual	Regional	Non-irrigated arable lands; Fallow lands; Boundary-strips, roadsides	O	NE	none	native
Ranunculaceae							
65. <i>Ceratocephala falcata</i>	annual	Regional	Sandy desert	F	NE	none	native
66. <i>Clematis orientalis</i>	Perennial, liana	Regional	Canals and drainage channels; Wetlands; Riparian scrub	O-R	NE	none	native
67. <i>Ranunculus pinnatisectus</i>	perennial	Regional	Dry grasslands; Fallow lands	R	NE	none	native
68. <i>Ranunculus sardous</i>	annual	Regional	Canals and drainage channels	O	NE	none	alien
69. <i>Ranunculus sewerzowii</i>	perennial	Regional	Non-irrigated arable lands; Fallow lands	O	NE	none	native
Platanaceae							
70. <i>Platanus orientalis</i>	tree	Regional	Woodland belts; Boundary-strips, roadsides	O	DD	3	native, planted
Haloragaceae							
71. <i>Myriophyllum spicatum</i>	Perennial	Transcontinental	Canals and drainage channels; Wetlands	F	LC	none	native
72. <i>Myriophyllum verticillatum</i>	Perennial	Transcontinental	Canals and drainage channels; Wetlands	O	LC	none	native
Vitaceae							
73. <i>Vitis vinifera</i>	shrub, liana	Transcontinental	Fruit gardens and vineyards	D-A	LC	3	agricultural crop
Zygophyllaceae							
74. <i>Tribulus terrestris</i>	annual	Transcontinental	Boundary-strips, roadsides	O-R	LC	none	alien
75. <i>Zygophyllum oxianum</i>	perennial	Regional	all mesic natural and modified habitats	F-R	NE	none	native
Fabaceae							
76. <i>Alhagi pseudalhagi</i>	perennial	Regional	all types	A-R	NE	none	native

77. <i>Arachis hypogaea</i>	annual	Transcontinental	Irrigated arable lands	D	NE	none	agricultural crop
78. <i>Astragalus alopecias</i>	perennial	Regional	Dry grasslands; Fallow lands	R	NE	none	native
79. <i>Astragalus bactrianus</i>	subshrub	Regional	Dry grasslands; Xerophytic shrublands; Fallow lands	R	NE	none	native
80. <i>Astragalus filicaulis</i>	annual	Regional	Non-irrigated arable lands; Fallow lands; Dry grasslands	F-O	NE	none	native
81. <i>Astragalus villosissimus</i>	subshrub	Regional	Sandy desert	O	NE	none	native
82. <i>Caragana halodendron</i> (<i>Halimodendron halodendron</i>)	shrub	Regional	Canals and drainage channels; Wetlands; Riparian scrub	F-R	NE	none	native
83. <i>Cullen drupaceum</i> (<i>Psoralea drupacea</i>)	perennial	Regional	Dry grasslands; Fallow lands; Boundary-strips, roadsides; Woodland belts	F-R	NE	none	native
84. <i>Gleditsia caspica</i>	tree	Regional	Woodland belts; Boundary-strips, roadsides	O	EN	none	introduced ornamental tree, planted
85. <i>Glycyrrhiza glabra</i>	perennial	Regional	Canals and drainage channels; Wetlands; Riparian scrub	A-R	LC	none	native
86. <i>Glycyrrhiza triphylla</i>	perennial	Regional	Boundary-strips, roadsides	O	NE	none	native
87. <i>Lotus krylovii</i>	perennial	Regional	Canals and drainage channels; Wetlands; Riparian scrub	O-R	NE	none	native
88. <i>Medicago monantha</i> (<i>Trigonella geminiflora</i>)	annual	Regional	Non-irrigated arable lands; Fallow lands	O	NE	none	native
89. <i>Medicago sativa</i>	perennial	Transcontinental	all types of modified habitats	D-R	LC	none	agricultural crop
90. <i>Melilotus albus</i>	biennial	Transcontinental	Fruit gardens and vineyards; Canals and drainage channels	R	LC	none	native
91. <i>Melilotus officinalis</i>	perennial	Transcontinental	Fruit gardens and vineyards; Canals and drainage channels	R	LC	none	native
92. <i>Sophora alopecuroides</i> (<i>Vexibia alopecuroides</i>)	perennial	Regional	all mesic modified habitats; Wetlands; Riparian scrub	O-R	NE	none	native
93. <i>Sophora pachycarpa</i> (<i>Vexibia pachycarpa</i>)	perennial	Regional	all xeric natural and modified habitats except for Sandy desert	F-R	NE	none	native
94. <i>Sphaerophysa salsula</i>	perennial	Regional	Canals and drainage channels; Wetlands; Riparian scrub	O-R	LC	none	native

95. <i>Trifolium fragiferum</i>	perennial	Transcontinental	all mesic natural and modified habitats	C-O	NE	none	native
96. <i>Trifolium repens</i>	perennial	Transcontinental	all mesic natural and modified habitats	F-R	LC	none	native
Rosaceae							
97. <i>Agrimonia eupatoria</i> subsp. <i>asiatica</i>	annual, biennial	Regional	Canals and drainage channels; Wetlands	R	NE	none	native
98. <i>Crataegus turkestanica</i>	shrub	Regional	Woodland belts; Boundary-strips, roadsides; Riparian scrub	R	NE	none	native
99. <i>Malus domestica</i>	tree	Regional	Fruit gardens and vineyards; Woodland belts; Boundary-strips, roadsides	D-R	NE	none	introduced, planted
100. <i>Prunus armeniaca</i> (<i>Armeniaca vulgaris</i>)	tree	Regional	Fruit gardens and vineyards; Woodland belts; Boundary-strips, roadsides	O	DD	none	agricultural crop, native
101. <i>Prunus bucharica</i> (<i>Amygdalus bucharica</i>)	shrub	Regional	Woodland belts	R	VU	none	native
102. <i>Prunus spinosissima</i> (<i>Amygdalus spinosissima</i>)	shrub	Regional	Xerophytic shrublands	C	NE	none	native
103. <i>Rosa canina</i>	shrub	Regional	Canals and drainage channels; Wetlands; Riparian scrub; Woodland belts	R	LC	none	native
104. <i>Rosa persica</i> (<i>Hulthemia</i> <i>persica</i>)	subshrub	Regional	Non-irrigated arable lands; Fallow lands; Boundary-strips, roadsides	O	NE	none	native
105. <i>Rubus caesius</i>	shrub	Regional	Canals and drainage channels; Wetlands; Riparian scrub	O	LC	none	native
106. <i>Rubus sanctus</i>	shrub	Regional	Fruit gardens and vineyards; Canals and drainage channels	R	NE	none	alien, introduced
Elaeagnaceae							
107. <i>Elaeagnus andustifolia</i>	tree	Regional	Canals and drainage channels; Wetlands; Riparian scrub; Woodland belts	F-R	LC	none	native
108. <i>Hippophae rhamnoides</i>	shrub	Transcontinental	Riparian scrub	C	LC	none	native
Ulmaceae							
109. <i>Ulmus pumila</i>	tree	Regional	Woodland belts; Boundary-strips, roadsides	A-R	LC	none	native
Moraceae							
110. <i>Morus alba</i>	tree	Regional	Fruit gardens and vineyards; Woodland belts; Boundary-strips, roadsides	C-R	NE	none	Introduced, planted
Hypericaceae							

111. <i>Hypericum perforatum</i>	perennial	Transcontinental	Fruit gardens and vineyards; Canals and drainage channels	R	LC	none	native
112. <i>Hypericum scabrum</i>	perennial	Regional	Xerophytic shrublands	R	NE	none	native
Salicaceae							
113. <i>Populus afghanica</i>	tree	Regional	Woodland belts; Boundary-strips, roadsides	O-R	DD	none	native
114. <i>Populus alba</i>	tree	Regional	Woodland belts; Boundary-strips, roadsides	C-R	LC	none	native
115. <i>Populus pruinosa</i>	tree	Regional	Riparian scrub; Canals and drainage channels; Woodland belts	O	NT	none	native
116. <i>Salix excelsa</i>	tree	Regional	Canals and drainage channels; Wetlands; Riparian scrub; Woodland belts	O-R	LC	none	native
117. <i>Salix wilhelmsiana</i>	shrub	Regional	Canals and drainage channels; Wetlands; Riparian scrub	R	LC	none	native
Euphorbiaceae							
118. <i>Andrachne telephioides</i>	perennial	Regional	Non-irrigated arable lands; Fallow lands; Dry grasslands	R	NE	none	native
119. <i>Chrozophora tinctoria</i>	annual	Regional	Fallow lands; Boundary-strips, roadsides; Woodland belts; Dry grasslands	O-R	LC	none	native
120. <i>Euphorbia chamaesyce</i>	annual	Regional	all xeric natural and modified habitats except for Sandy desert	O-R	NE	none	native
Geraniaceae							
121. <i>Erodium cicutarium</i>	annual	Transcontinental	Dry grasslands; Xerophytic shrublands; Non-irrigated arable lands; Fallow lands	O-R	NE	none	native
Lythraceae							
122. <i>Lythrum salicaria</i>	perennial	Transcontinental	Canals and drainage channels; Wetlands	R	LC	none	native
Onagraceae							
123. <i>Epilobium hirsutum</i>	perennial	Transcontinental	all mesic natural and modified habitats	O-R	LC	none	native
Nitrariaceae							
124. <i>Peganum harmala</i>	perennial	Regional	Fallow lands; Boundary-strips, roadsides; Dry grasslands; Riparian scrub; Sandy desert	O-R	NE	none	native
Rutaceae							
125. <i>Haplophyllum acutifolium</i>	perennial	Regional	Dry grasslands; Xerophytic shrublands; Fallow lands	F-R	NE	none	native
126. <i>Haplophyllum latifolium</i>	perennial	Regional	Dry grasslands; Xerophytic shrublands; Fallow lands	O	NE	none	native

127. <i>Haplophyllum versicolor</i>	perennial	Regional	Dry grasslands; Fallow lands	O	NE	none	native
Simaroubaceae							
128. <i>Ailanthus altissima</i>	tree	Regional	Woodland belts; Boundary-strips, roadsides	O	NE	none	introduced ornamental tree
Malvaceae							
129. <i>Abutilon theophrasti</i>	annual	Transcontinental	Irrigated arable lands; Canals and drainage channels	R	NE	none	alien
130. <i>Althaea armeniaca</i>	perennial	Regional	Irrigated arable lands; Canals and drainage channels	R	NE	none	native
131. <i>Gossypium hirsutum</i>	Perennial (annual in culture)	Transcontinental	Irrigated arable lands	D	VU	none	agricultural crop
132. <i>Malva neglecta</i>	Annual, perennial	Transcontinental	all types of modified habitats; Riparian scrub	O	LC	none	alien
133. <i>Malva sylvestris</i>	biennial, perennial	Transcontinental	Riparian scrub	R	LC	none	alien
Thymelaceae							
134. <i>Diarthron vesiculosum</i>	annual	Regional	all xeric natural and modified habitats except for Sandy desert	F-R	NE	none	native
Resedaceae							
135. <i>Reseda lutea</i>	perennial	Transcontinental	Non-irrigated arable lands; Fallow lands	R	NE	none	alien
136. <i>Reseda luteola</i>	biennial	Transcontinental	Non-irrigated arable lands; Fallow lands	O	NE	none	alien
Capparaceae							
137. <i>Capparis spinosa</i>	perennial	Regional	all types except for Wetlands, Wet grasslands and Sandy desert	F-O	LC	none	native
Brassicaceae							
138. <i>Alyssum desertorum</i>	annual	Transcontinental	all types except for Wetlands and Sandy desert	F-O	NE	none	native
139. <i>Capsella bursa-pastoris</i>	annual	Transcontinental	all mesic natural and modified habitats	O	LC	none	alien
140. <i>Descurainia sophia</i>	annual	Transcontinental	Canals and drainage channels; Boundary-strips, roadsides; Riparian scrub	F	NE	none	native
141. <i>Euclidium syriacum</i>	annual	Regional	Non-irrigated arable lands; Fallow lands; Woodland belts; Boundary-strips, roadsides	O-R	NE	none	alien

142. <i>Lepidium draba</i> (<i>Cardaria draba</i>)	perennial	Transcontinental	all types of modified habitats; Riparian scrub; Wetlands	O-R	NE	none	native
143. <i>Lepidium latifolium</i>	perennial	Transcontinental	all types of modified habitats; Riparian scrub; Wetlands	O-R	LC	none	native
144. <i>Meniocus linifolius</i>	annual	Regional	Sandy desert	O	NE	none	native
145. <i>Sisymbrium altissimum</i>	annual	Transcontinental	all types of modified habitats; Riparian scrub	F-R	NE	none	alien
146. <i>Sisymbrium loeselii</i>	Annual, biennial	Transcontinental	Canals and drainage channels; Wetlands; Riparian scrub; Woodland belts	F-R	NE	none	native
147. <i>Strigosella africana</i>	annual	Regional	Dry grasslands; Fallow lands; Woodland belts; Boundary-strips, roadsides	R	NE	none	alien
Tamaricaceae							
148. <i>Tamarix hispida</i>	shrub	Regional	Canals and drainage channels; Wetlands; Riparian scrub	F	LC	none	native
149. <i>Tamarix hohenackeri</i>	shrub	Regional	Canals and drainage channels; Wetlands; Riparian scrub	O	NE	none	native
150. <i>Tamarix ramosissima</i>	shrub	Transcontinental	Canals and drainage channels; Wetlands; Riparian scrub	C-R	LC	none	native
Plumbaginaceae							
151. <i>Limonium otolepis</i>	perennial	Regional	Canals and drainage channels; Wetlands; Riparian scrub	C-R	NE	none	native
152. <i>Psylliostachys suworowii</i>	annual	Regional	Riparian scrub; Canals and drainage channels	O	NE	none	native
Polygonaceae							
153. <i>Fallopia convolvulus</i> (<i>Polygonum convolvulus</i>)	Annual, liana	Transcontinental	all mesic natural and modified habitats	F-R	NE	none	native
154. <i>Persicaria hydropiper</i> (<i>Polygonum hydropiper</i>)	annual	Transcontinental	Canals and drainage channels; Wetlands	O-R	LC	none	native
155. <i>Persicaria lapathifolia</i> (<i>Polygonum lapathifolium</i>)	annual	Transcontinental	Canals and drainage channels; Wetlands	F	LC	none	native
156. <i>Persicaria maculosa</i>	annual	Transcontinental	Canals and drainage channels; Wetlands	O	LC	none	native
157. <i>Persicaria minor</i>	annual	Transcontinental	Canals and drainage channels; Wetlands	F-R	NE	none	native
158. <i>Polygonum argyrocoleon</i>	annual	Regional	Canals and drainage channels; Wetlands; Riparian scrub	O	LC	none	native
159. <i>Polygonum aviculare</i>	Annual, perennial	Transcontinental	Fallow lands; Woodland belts; Boundary-strips, roadsides; Riparian scrub	O-R	NE	none	native

160. <i>Rumex confertus</i>	perennial	Regional	Canals and drainage channels	O-R	NE	none	native
161. <i>Rumex conglomeratus</i>	perennial	Transcontinental	Canals and drainage channels; Wetlands; Riparian scrub	O-R	LC	none	alien
Caryophyllaceae							
162. <i>Acanthophyllum pungens</i>	perennial	Regional	Dry grasslands; Xerophytic shrublands	R	NE	none	native
163. <i>Arenaria leptoclados</i>	annual	Regional	Dry grasslands; Xerophytic shrublands; Fallow lands	O	NE	none	native
164. <i>Dianthus helenae</i>	perennial	Endemic	Xerophytic shrublands	O	NE	none	native
165. <i>Gypsophila vaccaria</i>	annual	Transcontinental	Non-irrigated arable lands; Fallow lands	R	NE	none	alien
166. <i>Minuartia meyeri</i>	annual	Regional	Dry grasslands; Xerophytic shrublands; Fallow lands	O-R	NE	none	native
167. <i>Silene conica</i>	annual	Regional	Dry grasslands; Fallow lands	O	NE	none	native
Amaranthaceae							
168. <i>Amaranthus retroflexus</i>	annual	Transcontinental	Irrigated arable lands; Canals and drainage channels; Wetlands; Riparian scrub	O-R	NE	none	alien
169. <i>Atriplex micrantha</i>	annual	Transcontinental	Irrigated arable lands; Canals and drainage channels; Boundary-strips, roadsides	O-R	NE	none	native
170. <i>Ceratocarpus arenarius</i>	annual	Regional	all types except for Wetlands; Wet grasslands and Xerophytic shrublands	O-R	NE	none	native
171. <i>Chenopodium album</i>	annual	Transcontinental	all types of modified habitats	O-R	NE	none	native
172. <i>Climacoptera</i> sp.	annual	Regional	Canals and drainage channels; Boundary-strips, roadsides	F-O	NE	none	native
173. <i>Halocharis hispida</i>	annual	Regional	Dry grasslands; Fallow lands; Boundary-strips, roadsides; Canals and drainage channels	F-O	NE	none	native
174. <i>Halostachys caspica</i>	shrub	Regional	Canals and drainage channels; Wetlands	F	NE	none	native
175. <i>Haloxylon persicum</i>	shrub	Regional	Sandy desert	A	LC	none	native
176. <i>Nanophyton saxatile</i>	subshrub	Endemic	Xerophytic shrublands	R	NE	none	native
177. <i>Salsola paulsenii</i>	annual	Regional	Sandy desert	O	NE	none	native
178. <i>Salsola tragus</i>	annual	Transcontinental	Non-irrigated arable lands; Fallow lands	O	NE	none	native
179. <i>Suaeda altissima</i>	annual	Regional	Canals and drainage channels; Boundary-strips, roadsides	F-R	NE	none	native
Rubiaceae							
180. <i>Galium humifusum</i> (<i>Asperula humifusa</i>)	perennial	Regional	all types of modified habitats; Wet grasslands	O-R	NE	none	native

181. <i>Galium karakulense</i>	perennial	Regional	Canals and drainage channels; Wetlands	R	NE	none	native
182. <i>Galium spurium</i>	annual	Transcontinental	Riparian scrub; Canals and drainage channels; Woodland belts	O	NE	none	native
183. <i>Galium tenuissimum</i>	annual	Regional	Dry grasslands; Xerophytic shrublands; Fallow lands; Boundary-strips, roadsides	O	NE	none	native
Apocynaceae							
184. <i>Cynanchum acutum</i> subsp. <i>sibiricum</i>	Perennial, liana	Regional	all mesic natural and modified habitats	F-R	LC	none	native
185. <i>Poacynum lancifolium</i> (<i>Trachomitum lancifolium</i>)	perennial	Regional	Canals and drainage channels; Wetlands; Riparian scrub	O-R	NE	none	native
186. <i>Poacynum scabrum</i> (<i>Trachomitum scabrum</i>)	Perennial, liana	Regional	Canals and drainage channels; Wetlands; Riparian scrub	O-R	NE	none	native
Boraginaceae							
187. <i>Echium biebersteinii</i>	biennial	Regional	Non-irrigated arable lands; Fallow lands; Woodland belts; Boundary-strips, roadsides	O-R	NE	none	native
188. <i>Heliotropium arguzioides</i>	perennial	Regional	Sandy desert	O	NE	none	native
189. <i>Heliotropium dasycarpum</i>	perennial	Regional	Sandy desert	O	NE	none	native
190. <i>Heliotropium ellipticum</i>	annual	Regional	Fallow lands; Boundary-strips, roadsides; Canals and drainage channels; Riparian scrub; Dry grasslands	O-R	NE	none	native
191. <i>Lindelofia macrostyla</i>	perennial	Regional	Boundary-strips, roadsides	R	NE	none	native
192. <i>Rochelia cardiosepala</i>	annual	Regional	Dry grasslands; Xerophytic shrublands; Fallow lands	O	NE	none	native
193. <i>Solenanthus turkestanicus</i>	perennial	Regional	Dry grasslands	R	NE	none	native
194. <i>Trichodesma incanum</i>	perennial	Regional	Non-irrigated arable lands; Fallow lands; Boundary-strips, roadsides	O-R	NE	none	native
Convolvulaceae							
195. <i>Calystegia sepium</i>	Perennial, liana	Transcontinental	Canals and drainage channels; Wetlands; Riparian scrub	R	LC	none	native
196. <i>Convolvulus arvensis</i>	Perennial, liana	Transcontinental	all types except for Sandy desert and Xerophytic shrublands	F-R	NE	none	alien
197. <i>Convolvulus divaricatus</i>	subshrub	Regional	Sandy desert	R	NE	none	native
198. <i>Convolvulus hamadae</i>	subshrub	Regional	Sandy desert	R	NE	none	native

199. <i>Convolvulus pseudocantabrica</i>	perennial	Regional	Dry grasslands; Fallow lands	O-R	NE	none	native
200. <i>Cressa cretica</i>	perennial	Regional	Canals and drainage channels; Boundary-strips, roadsides	O	LC	none	native
Solanaceae							
201. <i>Datura stramonium</i>	annual	Transcontinental	Canals and drainage channels; Riparian scrub	R	NE	none	alien
202. <i>Lycium dasystemum</i>	shrub	Regional	Canals and drainage channels; Wetlands; Riparian scrub	O-R	NE	none	native
203. <i>Solanum nigrum</i>	annual	Transcontinental	Irrigated arable lands; Fruit gardens and vineyards; Canals and drainage channels	R	NE	none	alien
Oleaceae							
204. <i>Fraxinus angustifolia</i> subsp. <i>syriaca</i>	tree	Regional	Woodland belts; Boundary-strips, roadsides	O-R	LC	none	introduced ornamental tree
Plantaginaceae							
205. <i>Plantago lanceolata</i>	perennial	Transcontinental	all types except for Sandy desert	F-O	LC	none	native
206. <i>Plantago major</i>	perennial	Transcontinental	all mesic natural and modified habitats	F-O	LC	none	native
Scrophulariaceae							
207. <i>Verbascum blattaria</i>	biennial	Transcontinental	all mesic natural and modified habitats	O-R	NE	none	native
Verbenaceae							
208. <i>Verbena officinalis</i>	perennial	Regional	all types of modified habitats; Wetlands	O-R	LC	none	native
Lamiaceae							
209. <i>Lycopus europaeus</i>	perennial	Transcontinental	Canals and drainage channels; Wetlands; Riparian scrub	R	LC	none	native
210. <i>Marrubium anisodon</i>	perennial	Regional	Fruit gardens and vineyards; Woodland belts; Boundary-strips, roadsides; Fallow lands	O-R	NE	none	native
211. <i>Mentha longifolia</i> var. <i>asiatica</i>	perennial	Regional	Canals and drainage channels; Wetlands	F-R	LC	none	native
212. <i>Phlomis nubilans</i>	perennial	Endemic	Xerophytic shrublands	O	NE	3	native
213. <i>Phlomis thapsoides</i>	perennial	Regional	Dry grasslands; Fallow lands; Woodland belts; Boundary-strips, roadsides	F-R	NE	none	native
214. <i>Phlomis labiosa</i>	perennial	Regional	Dry grasslands; Boundary-strips, roadsides	R	NE	none	native
215. <i>Salvia macrosiphon</i>	perennial	Regional	Dry grasslands; Fallow lands	R	NE	none	native
216. <i>Salvia spinosa</i>	perennial	Regional	Dry grasslands; Fallow lands	R	NE	none	native

217. <i>Ziziphora clinopodioides</i>	perennial	Regional	Xerophytic shrublands	O	NE	none	native
218. <i>Ziziphora tenuior</i>	annual	Regional	Dry grasslands; Xerophytic shrublands; Fallow lands	O-R	NE	none	native
Mazaceae							
219. <i>Dodartia orientalis</i>	perennial	Regional	Fallow lands; Canals and drainage channels; Boundary-strips, roadsides; Riparian scrub	O-R	NE	none	native
Orobanchaceae							
220. <i>Parentucellia flaviflora</i>	annual	Regional	Dry grasslands; Fallow lands; Boundary-strips, roadsides	O	NE	none	native
Asteraceae							
221. <i>Achillea arabica</i> (<i>Achillea biebersteinii</i>)	perennial	Regional	Non-irrigated arable lands; Fallow lands; Dry grasslands	F	NE	none	native
222. <i>Achillea wilhelmsii</i> (<i>Achillea kermanica</i>)	perennial	Regional	Non-irrigated arable lands; Fallow lands; Woodland belts; Boundary-strips, roadsides; Dry grasslands	O-R	NE	none	native
223. <i>Artemisia annua</i>	annual	Transcontinental	Irrigated arable lands; Canals and drainage channels; Boundary-strips, roadsides	O	NE	none	alien
224. <i>Artemisia ferganensis</i>	perennial	Regional	Irrigated arable lands; Canals and drainage channels; Boundary-strips, roadsides	F-O	NE	none	native
225. <i>Artemisia scoparia</i>	biennial	Transcontinental	Irrigated arable lands; Canals and drainage channels; Boundary-strips, roadsides	O	NE	none	native
226. <i>Artemisia serotina</i>	perennial	Regional	Boundary-strips, roadsides	F	NE	none	native
227. <i>Artemisia sogdiana</i>	subshrub	Regional	Dry grasslands; Xerophytic shrublands; Fallow lands	A-O	NE	none	native
228. <i>Artemisia tournefortiana</i>	annual	Regional	Irrigated arable lands; Canals and drainage channels; Wetlands; Riparian scrub	O-R	NE	none	native
229. <i>Artemisia vulgaris</i>	perennial	Transcontinental	Irrigated arable lands; Canals and drainage channels; Boundary-strips, roadsides	O	LC	none	native
230. <i>Bidens frondosa</i>	annual	Transcontinental	Canals and drainage channels	R	LC	none	alien
231. <i>Carduus pycnocephalus</i>	annual	Regional	all mesic natural and modified habitats	O-R	NE	none	native
232. <i>Carthamus lanatus</i> subsp. <i>turkestanicus</i>	annual	Regional	all types except for Sandy desert and Xerophytic shrublands	F-R	NE	none	native
233. <i>Carthamus oxyacanthus</i>	annual	Regional	all types of modified habitats; Dry grasslands	F-R	NE	none	native

234. <i>Carthamus tinctorius</i>	annual	Transcontinental	Non-irrigated arable lands; Fallow lands	A	NE	none	agricultural crop
235. <i>Centaurea bruguieriana</i> subsp. <i>belangeriana</i> (<i>Centaurea belangeriana</i>)	annual, biennial	Regional	all types of modified habitats; Dry grasslands	F-R	NE	none	native
236. <i>Centaurea benedicta</i> (<i>Cnicus benedictus</i>)	annual	Transcontinental	Non-irrigated arable lands; Fallow lands; Boundary-strips, roadsides	R	NE	none	alien
237. <i>Centaurea depressa</i>	annual	Regional	Irrigated arable lands; Non-irrigated arable lands; Fallow lands; Boundary-strips, roadsides	R	NE	none	native
238. <i>Centaurea iberica</i>	biennial	Transcontinental	all types except for Sandy desert and Xerophytic shrublands	F-R	NE	none	alien
239. <i>Centaurea solstitialis</i>	annual	Regional	Irrigated arable lands; Non-irrigated arable lands; Fallow lands; Boundary-strips, roadsides; Woodland belts	F-R	NE	none	alien
240. <i>Centaurea virgata</i> subsp. <i>squarrosa</i>	perennial	Regional	all xeric natural and modified habitats except for Sandy desert	F-R	NE	none	native
241. <i>Chardinia orientalis</i>	annual	Regional	all xeric natural and modified habitats except for Sandy desert	O-R	NE	none	native
242. <i>Chondrilla juncea</i>	perennial	Regional	Xerophytic shrublands; Fallow lands; Boundary-strips, roadsides; Woodland belts	O-R	NE	none	native
243. <i>Cichorium intybus</i>	perennial	Transcontinental	all mesic natural habitats; all modified habitats	F-R	LC	none	alien
244. <i>Cirsium vulgare</i>	biennial	Transcontinental	all mesic natural habitats; all modified habitats	C-R	NE	none	native
245. <i>Cousinia hamadae</i>	perennial	Regional	Sandy desert	R	NE	none	native
246. <i>Cousinia microcarpa</i>	biennial	Regional	all xeric natural and modified habitats except for Sandy desert	O-R	NE	none	native
247. <i>Cousinia olgae</i>	biennial	Regional	Fallow lands; Woodland belts; Boundary-strips, roadsides	O	NE	none	native
248. <i>Cousinia radians</i>	biennial	Regional	all xeric natural and modified habitats except for Sandy desert	F-R	NE	none	native
249. <i>Cousinia resinosa</i>	perennial	Regional	all xeric natural and modified habitats except for Sandy desert	O-R	NE	none	native
250. <i>Erigeron canadensis</i>	annual	Transcontinental	all mesic modified habitats	F-R	NE	none	alien
251. <i>Erigeron sumatrensis</i>	annual	Transcontinental	Canals and drainage channels	F-R	NE	none	alien
252. <i>Garhadiolus papposus</i>	annua	Regional	Fallow lands	O	NE	none	native

253. <i>Handelia trichophylla</i>	perennial	Regional	Dry grasslands; Xerophytic shrublands; Fallow lands	R	NE	none	native
254. <i>Karelinia caspia</i>	perennial	Regional	Canals and drainage channels; Wetlands; Riparian scrub	F-R	NE	none	native
255. <i>Koelpinia linearis</i>	annual	Regional	Non-irrigated arable lands; Fallow lands; Boundary-strips, roadsides; Dry grasslands; Sandy desert	O	NE	none	native
256. <i>Lactuca serriola</i>	annual, biennial	Transcontinental	all types of modified habitats; Riparian scrub; Wetlands	F-R	LC	none	native
257. <i>Onopordum acanthium</i>	biennial	Transcontinental	all types of modified habitats	O	NE	none	native
258. <i>Onopordum leptolepis</i>	biennial	Regional	all types of modified habitats	F-R	NE	none	native
259. <i>Picnomon acarna</i>	annual	Regional	Xerophytic shrublands; Fallow lands; Woodland belts; Boundary-strips, roadsides	O	NE	none	native
260. <i>Pseudohandelia umbellifera</i>	perennial	Regional	Non-irrigated arable lands; Fallow lands	R	NE	none	native
261. <i>Rhaponticum repens</i> (<i>Acroptilon repens</i>)	perennial	Transcontinental	all types of modified habitats; Riparian scrub	C-R	NE	none	native, quarantine weed
262. <i>Sonchus oleraceus</i>	annual	Transcontinental	Canals and drainage channels; Riparian scrub	R	NE	none	alien
263. <i>Sonchus palustris</i>	perennial	Regional	Canals and drainage channels; Wetlands; Riparian scrub	O-R	LC	none	native
264. <i>Stizolophus balsamita</i>	annual	Regional	Irrigated arable lands; Non-irrigated arable lands; Fallow lands; Woodland belts; Boundary-strips, roadsides	O-R	NE	none	native
265. <i>Tripolium pannonicum</i>	Annual, perennial	Transcontinental	Canals and drainage channels; Wetlands	R	NE	none	alien
266. <i>Xanthium spinosum</i>	annual	Transcontinental	all types of modified habitats; Wetlands; Riparian scrub	F-R	NE	none	alien
267. <i>Xanthium strumarium</i>	annual	Transcontinental	all mesic natural and modified habitats	F-R	NE	none	alien
268. <i>Xeranthemum longepapposum</i>	annual	Regional	all xeric natural and modified habitats except for Sandy desert	O	NE	none	native
<i>Caprifoliaceae</i>							
269. <i>Dipsacus laciniatus</i>	biennial	Regional	Riparian scrub	R	NE	none	native

270. <i>Lomelosia songarica</i> (<i>Scabiosa songarica</i>)	perennial	Regional	Xerophytic shrublands; Fallow lands	R	NE	none	native
Apiaceae							
271. <i>Aphanopleura capillifolia</i>	annual	Regional	Dry grasslands; Fallow lands	O	NE	none	native
272. <i>Conium maculatum</i>	annual, biennial	Transcontinental	Canals and drainage channels; Wetlands	O-R	NE	none	alien
273. <i>Daucus carota</i>	biennial	Transcontinental	Fruit gardens and vineyards; Canals and drainage channels; Boundary-strips, roadsides; Riparian scrub	O-R	LC	none	native
274. <i>Echinophora sibthorpiana</i>	biennial	Regional	Non-irrigated arable lands; Fallow lands; Woodland belts; Boundary-strips, roadsides	F-R	NE	none	native
275. <i>Eremodaucus lehmannii</i>	annual	Regional	Non-irrigated arable lands; Fallow lands; Woodland belts; Boundary-strips, roadsides	O-R	NE	none	native
276. <i>Eryngium caeruleum</i>	Biennial, perennial	Regional	all types of modified habitats	O-R	NE	none	native
277. <i>Sium sisarum</i>	perennial	Regional	Canals and drainage channels	R	LC	none	native
278. <i>Torilis arvensis</i>	annual	Transcontinental	Riparian scrub; Irrigated arable lands; Non-irrigated arable lands; Fallow lands; Boundary-strips, roadsides	O	NE	none	alien
279. <i>Turgenia latifolia</i>	annual	Regional	Non-irrigated arable lands; Fallow lands	O-R	NE	none	native

Annex D: Check list of sample plots

Table 2. Check list of sample plots

SP No.	Project site	Location	Date	Latitude, N	Longitude, E	Elevation, m.s.l.	Habitat type	Canopy cover, %	Number of species	IUCN	UzbrDB
1	SS Khalka	NE part of SS Khalka, Quyi Chirchiq District of Tashkent Region, about 2.5 km to the east of the village Mevazor	16.07.2023	41.01202	69.09104	325	modified (Arable lands with irrigated agricultural crops; Woodland belts; Boundary-strips, roadsides; Canals and drainage channels)	90-100	41	0	0
2	360 km OHTL	Quyi Chirchiq District of Tashkent Region, 3 km to the south of SS Khalka	16.07.2023	40.98328	69.07634	320	modified (Arable lands with irrigated agricultural crops; Woodland belts; Boundary-strips, roadsides; Canals and drainage channels)	80-90	49	0	0
3	360 km OHTL	Quyi Chirchiq District of Tashkent Region, between villages Dustobod and Qiz-Ona, 27 km to the south of SS Khalka	16.07.2023	40.84008	68.86496	266	modified (Arable lands with irrigated agricultural crops; Woodland belts; Boundary-strips, roadsides; Canals and drainage channels)	70-80	47	0	0
4	360 km OHTL	Quyi Chirchiq District of Tashkent Region, near the village Qiz-Ona, right bank of the river Syrdarya	16.07.2023	40.81907	68.82596	260	natural (Wetlands)	90-100	42	0	0
5	360 km OHTL	Syrdarya District of Syrdarya Region, left bank of Syrdarya River	16.07.2023	40.81739	68.82465	261	natural (Riparian scrub)	60-70	41	0	0

6	360 km OHTL	Syrdarya District of Syrdarya Region, along the road P-26, between villages Hikmatli and Syrdarya	16.07.2023	40.80202	68.79952	263	modified (Arable lands with irrigated agricultural crops; Woodland belts; Boundary-strips, roadsides; Canals and drainage channels)	90-100	43	0	0
7	360 km OHTL	Syrdarya District of Syrdarya Region, between villages Hikmatli and Qumovul, banks of drainage channel between cotton fields	16.07.2023	40.78989	68.75629	263	semi-natural (Wetlands)	80-90	41	0	0
8	360 km OHTL	Syrdarya District of Syrdarya Region, between the railway and highway M34, between towns Syrdarya and Bakht	16.07.2023	40.78442	68.68	266	modified (Arable lands with irrigated agricultural crops; Woodland belts; Boundary-strips, roadsides)	70-80	25	0	0
9	360 km OHTL	Mirzaabad District of Syrdarya Region	16.07.2023	40.5548	68.61285	263	modified (Boundary-strips, roadsides; Canals and drainage channels)	90-100	44	0	0
10	360 km OHTL	Mirzaabad District of Syrdarya Region, 3.6 km to the east of the village Sardoba	16.07.2023	40.52026	68.45822	266	modified (Boundary-strips, roadsides; Canals and drainage channels)	90-100	43	0	0
11	360 km OHTL	border of Dzhizak and Syrdarya Regions, 1 km to the west of the village Gulzor, between the drainage channel and highway M39	16.07.2023	40.447	68.24592	280	modified (Boundary-strips, roadsides; Canals and drainage channels)	80-90	34	0	0

12	360 km OHTL	Pakhtakor District of Dzhizak Region, between towns Pakhtakor and Zafarabad	16.07.2023	40.33315	67.92044	300	modified (Woodland belts; Boundary-strips, roadsides; Canals and drainage channels)	90-100	50	0	0
13	360 km OHTL	Sharaf Rashidov District of Dzhizak Region, 1.5 km to the village Kuyovboshi, northern piedmonts of Nuratau Range	17.07.2023	40.16754	67.694	405	natural (Dry grassland)	20-30	22	0	0
14	360 km OHTL	Sharaf Rashidov District of Dzhizak Region, northern slope of Nuratau Range, 3 km to the south of the village Kuyovboshi	17.07.2023	40.1459	67.69066	710	natural (Xerophytic shrubland)	30-40	31	0	1
15	360 km OHTL	Sharaf Rashidov District of Dzhizak Region, crest of Nuratau Range, 3 km to the south of the village Kuyovboshi	17.07.2023	40.14371	67.69029	773	modified (Fallow lands)	80-90	53	0	0
16	360 km OHTL	Gallaral District of Dzhizak Region, surroundings of the village Chayanly, southern slope of Nuratau Range	17.07.2023	40.07431	67.59559	590	natural (Wet grassland)	80-90	20	0	0
17	360 km OHTL	Gallaral District of Dzhizak Region, southern slope of Nuratau Range, between town Gallaaral and village Karakchi	17.07.2023	40.06872	67.56588	600	modified (Arable lands with non-irrigated agricultural crops; Woodland belts)	40-50	61	0	0

18	360 km OHTL	Gallalar District of Dzhizak Region, near the railway, 3 km to the west of town Gallaaral	17.07.2023	40.02118	67.53507	590	modified (Woodland belts; Boundary-strips, roadsides)	20-30	64	0	0
19	360 km OHTL	Gallalar District of Dzhizak Region, intermountain Nurata valley, between town Gallaaral and village Moltop	17.07.2023	39.98759	67.5331	630	modified (Arable lands with non-irrigated agricultural crops)	70-80	45	0	0
20	360 km OHTL	border of Dzhizak and Samarkand Regions, eastern piedmonts of Khobduntau Range, the road to the village Ingichka	17.07.2023	39.9269	67.50502	808	modified (Woodland belts; Boundary-strips, roadsides)	0-10	36	0	0
21	360 km OHTL	Bulungur District of Samarkand Region, southern piedmonts of Khobduntau Range, 3 km to the north of the village Gatcha	17.07.2023	39.82803	67.26876	800	modified (Arable lands with non-irrigated agricultural crops)	20-30	46	0	0
22	360 km OHTL	Bulungur District of Samarkand Region, southern piedmonts of Khobduntau Range, 2.5 km to the north of the village Bat-Bat	17.07.2023	39.83778	67.21814	785	modified (Fallow lands)	20-30	32	0	0

23	360 km OHTL	Dzhambay District of Samarkand Region, southern piedmonts of Khobduntau Range, 3.5 km to the northeast of the village Qongirot	17.07.2023	39.85665	67.15567	775	semi-natural (Dry grassland)	15-20	45	0	0
24	360 km OHTL	Dzhambay District of Samarkand Region, between the village Dauchar and canal Payaryk	17.07.2023	39.87971	66.98251	645	modified (Arable lands with irrigated agricultural crops; Woodland belts; Boundary-strips, roadsides; Canals and drainage channels)	80-90	53	0	0
25	360 km OHTL	Payaryk District of Samarkand Region, near the village Bakalchak	17.07.2023	39.83927	66.9548	635	modified (Arable lands with irrigated agricultural crops; Woodland belts; Boundary-strips, roadsides; Canals and drainage channels)	70-80	44	0	0
26	360 km OHTL	Payaryk District of Samarkand Region, surroundings of the village Chumishli, right bank of the river Akdarya (right branch of the river Zeravshan)	17.07.2023	39.82998	66.88828	625	modified (Boundary-strips, roadsides; Canals and drainage channels)	90-100	58	0	0
27	360 km OHTL	Akdarya District of Samarkand Region, 1.5 km to the southwest of the village Khadzhi, right bank of the river Karadarya (left branch of the river Zeravshan)	17.07.2023	39.77631	66.7911	604	natural (Riparian scrub)	80-90	65	0	0

28	360 km OHTL	Pastdargom District of Samarkand Region, the right bank of canal Dargom	17.07.2023	39.75687	66.74248	600	modified (Arable lands with irrigated agricultural crops; Boundary-strips, roadsides; Canals and drainage channels)	40-50	62	0	0
29	360 km OHTL	Pastdargom District of Samarkand Region, ravine between canals Dargom and Durmansay	17.07.2023	39.77313	66.69923	605	modified (Woodland belts; Boundary-strips, roadsides; Canals and drainage channels)	90-100	83	0	0
30	360 km OHTL	Pastdargom District of Samarkand Region, between villages Khancharvak and Kayrogoch	29.07.2023	39.62176	66.582	660	modified (Arable lands with irrigated agricultural crops; Woodland belts; Boundary-strips, roadsides; Canals and drainage channels)	70-80	58	0	0
31	360 km OHTL	Pastdargom District of Samarkand Region, 5 km to the north of the village Sazagan	29.07.2023	39.59459	66.71014	718	modified (Boundary-strips, roadsides)	30-40	30	0	0
32	500 MW BESS	Nurabad District of Samarkand Region, 2.5 km to the north of the village Sazagan	29.07.2023	39.57447	66.7379	753	modified (Fallow lands)	0-10	19	0	0
33	100 MW PV	Nurabad District of Samarkand Region, 2.5 km to the north of the village Sazagan	29.07.2023	39.57559	66.74406	756	modified (Fallow lands)	20-30	24	0	0

34	100 MW PV	Nurabad District of Samarkand Region, 2 km to the northwest of the village Sazagan	29.07.2023	39.55423	66.69496	742	modified (Arable lands with non-irrigated agricultural crops)	40-50	36	0	0
35	100 MW PV	Nurabad District of Samarkand Region, 1.5 km to the west of the village Sazagan	29.07.2023	39.5462	66.69512	757	modified (Fallow lands)	50-60	47	0	0
36	100 MW PV	Nurabad District of Samarkand Region, 2.3 km to the west of the village Sazagan, Ettitepa Archeologic Heritage site	29.07.2023	39.55146	66.68727	743	semi-natural (Dry grassland)	15-20	54	0	0
37	100 MW PV	Nurabad District of Samarkand Region, 2.8 km to the west of the village Sazagan	29.07.2023	39.54724	66.68084	750	modified (Arable lands with non-irrigated agricultural crops)	50-60	43	0	0
38	100 MW PV	Nurabad District of Samarkand Region, 4 km to the west of the village Sazagan	29.07.2023	39.54687	66.67097	755	modified (Fallow lands)	40-50	67	0	0
39	400 MW PV	Nurabad District of Samarkand Region, 2.3 km to the northwest of the village Koshkuduk	29.07.2023	39.45894	65.9849	385	modified (Fallow lands)	0-10	9	0	0

40	400 MW PV	Nurabad District of Samarkand Region, 3.5 km to the west of the village Koshkuduk	29.07.2023	39.44893	65.96658	392	natural (Dry grassland)	10-15	14	0	0
41	400 MW PV	Nurabad District of Samarkand Region, 2.3 km to the west of the village Koshkuduk	29.07.2023	39.44314	65.97621	400	modified (Fallow lands)	0-10	12	0	0
42	500 MW PV	Nurabad District of Samarkand Region, 5.8 km to the southwest of the village Koshkuduk	29.07.2023	39.41943	65.94493	382	natural (Dry grassland)	10-15	11	0	0
43	500 MW PV	Nurabad District of Samarkand Region, 5 km to the west of the village Koshkuduk	29.07.2023	39.43202	65.94462	384	natural (Dry grassland)	15-20	11	0	0
44	Karakul BESS	Karakul District of Bukhara Region, surroundings of the town Karakul	17.06.2023	39.51688	63.87222	210	natural (sandy desert with psammophytic scrub) + modified (construction site)	20-30	19	0	0
45	70 km OTHL	Nurobod District of Samarkand Region	08.09.2023	39.5656	66.719	745	natural (Dry bed of temporary stream)	20-30	13	0	0
46	70 km OTHL	Nurobod District of Samarkand Region	08.09.2023	39.5615	66.7027	740	natural (Dry grassland) + modified (Arable lands with non-irrigated agricultural crops)	15-20	19	0	0
47	70 km OTHL	Pastdargom District of Samarkand Region, 5 km to the southeast of village Khancharvak	08.09.2023	39.5678	66.6516	725	modified (Vineyard; Boundary-strips, roadsides; Canals and drainage channels)	80-90	45	0	0

48	70 km OTHL	Pastdargom District of Samarkand Region, 3 km to the south of village Khancharvak	08.09.2023	39.5678	66.6134	710	modified (Arable lands with irrigated agricultural crops; Boundary-strips, roadsides; Canals and drainage channels)	70-80	45	0	0
49	70 km OTHL	Pastdargom District of Samarkand Region, 2 km to the south of village Khancharvak	08.09.2023	39.5607	66.5832	707	modified (Fruit garden; Boundary-strips, roadsides)	20-30	32	0	0
50	70 km OTHL	Nurobod District of Samarkand Region, 2.5 km to the northwest of the village Sarikul	08.09.2023	39.5218	66.4648	692	natural (Dry grassland)	Oct-15	10	0	0
51	70 km OTHL	Nurobod District of Samarkand Region, left bank of the canal Moskow	08.09.2023	39.5072	66.4024	600	natural (Dry grassland) + modified (Canal)	0-5	12	0	0
52	70 km OTHL	Nurobod District of Samarkand Region	08.09.2023	39.4927	66.3137	542	natural (Dry grassland)	Oct-15	13	0	0
53	70 km OTHL	Nurobod District of Samarkand Region	08.09.2023	39.4893	66.299	550	natural (Dry grassland)	Oct-15	6	0	0
54	70 km OTHL	Nurobod District of Samarkand Region, 1.5 km to the south of the village Koshkuduk	08.09.2023	39.4145	66.0103	416	natural (Dry grassland)	0-5	7	0	0
55	70 km OTHL	Nurobod District of Samarkand Region, 0.8 km to the southwest of the village Koshkuduk	08.09.2023	39.4229	65.9943	410	natural (Dry grassland)	0-10	7	0	0

Annex E: Check-list of plants for sample plots

Table 3: Check-list of plants recorded on sample plot 01 (41.01202° N, 69.09104° E), Quyi Chirchiq District of Tashkent Region, NE corner of SS Khalka, banks of canal and boundary-strip between the cotton fields

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Amaranthus retroflexus</i>	annual	20-25	R	+	Flowering, fruiting
<i>Artemisia annua</i>	annual	40-50	O	+	Flowering, fruiting
<i>Avena fatua</i>	annual	40-50	O	+	dried
<i>Calystegia sepium</i>	Perennial, liana	100-150	R	+	flowering
<i>Centaurea iberica</i>	biennial	20-30	O	+	Flowering, fruiting
<i>Cichorium intybus</i>	perennial	30-40	O	+	flowering
<i>Cirsium vulgare</i>	biennial	50-100	R	+	Flowering, fruiting
<i>Cynanchum acutum ssp. sibiricum</i>	Perennial, liana	100-150	O	+	flowering
<i>Cynodon dactylon</i>	perennial	15-20	C	1	Flowering, fruiting
<i>Cyperus rotundus</i>	perennial	25-30	R	+	Flowering, fruiting
<i>Epilobium hirsutum</i>	perennial	50-100	O	+	Flowering, fruiting
<i>Equisetum arvense</i>	perennial	40-50	F	+	vegetation
<i>Fallopia convolvulus</i>	Annual, liana	100-150	O	+	Flowering, fruiting
<i>Galium karakulense</i>	perennial	30-40	R	+	flowering
<i>Glycyrrhiza glabra</i>	perennial	100-150	C	2	Flowering, fruiting
<i>Gossypium hirsutum</i>	Perennial (annual in culture)	30-40	D	4	Vegetation, flowering
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	25-35	F	1	Dried
<i>Hordeum spontaneum</i>	annual	50-100	F	1	dried
<i>Imperata cylindrica</i>	perennial	25-35	F	+	Flowering, fruiting
<i>Lactuca serriola</i>	annual, biennial	50-100	O	+	Flowering, fruiting
<i>Lycopus europaeus</i>	perennial	40-50	R	+	Flowering, fruiting
<i>Lythrum salicaria</i>	perennial	40-50	R	+	flowering
<i>Medicago sativa</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Mentha longifolia var. asiatica</i>	perennial	50-100	O	+	flowering
<i>Morus alba</i>	tree	250-300	R	1	vegetation
<i>Persicaria hydropiper</i>	annual	50-70	O	+	Flowering, fruiting

<i>Persicaria minor</i>	annual	25-40	O	+	Flowering, fruiting
<i>Phragmites australis</i>	perennial	150-200	C	2	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	15-25	F	+	Flowering, fruiting
<i>Plantago major</i>	perennial	15-25	O	+	Flowering, fruiting
<i>Poacynum lancifolium (Trachomitum lancifolium)</i>	perennial	100-150	O	+	flowering
<i>Polygonum argyrocoleon</i>	annual	25-30	O	+	Flowering, fruiting
<i>Potamogeton nodosus</i>	Perennial, hydrophyte		R	+	Flowering, fruiting
<i>Rhaponiticum repens (Acroptilon repens)</i>	perennial	40-50	F	1	Flowering, fruiting
<i>Rumex confertus</i>	perennial	70-100	O	+	Flowering, fruiting
<i>Setaria viridis</i>	annual	15-25	O	+	Flowering, fruiting
<i>Typha angustifolia</i>	perennial	150-180	O	+	fruiting
<i>Typha laxmannii</i>	perennial	100-150	O	+	fruiting
<i>Xanthium spinosum</i>	annual	25-30	O	+	Flowering, fruiting
<i>Xanthium strumarium</i>	annual	25-30	O	+	Flowering, fruiting

Table 4: Check-list of plants recorded on sample plot 02 (40.98328° N, 69.07634° E), Quyi Chirchiq District of Tashkent Region, 3 km to the south of SS Khalka, banks of canal, woodland belts, roadsides and boundary-strips between wheat fields

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	30-40	F	1	Flowering, fruiting
<i>Alisma plantago-aquatica</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Artemisia annua</i>	annual	40-50	O	+	Flowering, fruiting
<i>Avena fatua</i>	annual	40-50	O	+	dried
<i>Bolboschoenus glaucus</i>	perennial	40-50	R	+	Flowering, fruiting
<i>Bromus scoparius</i>	annual	20-30	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Centaurea iberica</i>	biennial	20-30	F	1	Flowering, fruiting
<i>Cichorium intybus</i>	perennial	30-40	F	+	flowering
<i>Cirsium vulgare</i>	biennial	50-100	C	+	Flowering, fruiting
<i>Clematis orientalis</i>	Perennial, liana	100-150	R	+	Flowering, fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	flowering

<i>Cynanchum acutum ssp. sibiricum</i>	Perennial, liana	100-150	R	+	flowering
<i>Cynodon dactylon</i>	perennial	15-20	F	1	Flowering, fruiting
<i>Cyperus rotundus</i>	perennial	25-30	R	+	Flowering, fruiting
<i>Elaeagnus andustifolia</i>	tree	250-300	R	1	fruiting
<i>Elymus repens</i>	perennial	30-40	O	+	fruiting
<i>Epilobium hirsutum</i>	perennial	50-100	O	+	Flowering, fruiting
<i>Equisetum arvense</i>	perennial	40-50	O	+	vegetation
<i>Galium humifusum</i>	perennial	25-30	O	+	Flowering, fruiting
<i>Glycyrrhiza glabra</i>	perennial	100-150	O	+	Flowering, fruiting
<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	25-35	F	1	dried
<i>Karelinia caspia</i>	perennial	70-100	O	+	fruiting
<i>Lactuca serriola</i>	annual, biennial	50-100	O	+	Flowering, fruiting
<i>Lepidium latifolium</i>	perennial	40-50	O	+	fruiting
<i>Lycopus europaeus</i>	perennial	40-50	R	+	Flowering, fruiting
<i>Malus domestica</i>	tree	250-300	R	1	fruiting
<i>Medicago sativa</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Mentha longifolia var. asiatica</i>	perennial	50-100	O	+	flowering
<i>Morus alba</i>	tree	250-300	O	1	vegetation
<i>Onopordum acanthium</i>	biennial	100-120	O	+	flowering
<i>Persicaria hydropiper</i>	annual	50-70	R	+	Flowering, fruiting
<i>Persicaria minor</i>	annual	25-40	R	+	Flowering, fruiting
<i>Phragmites australis</i>	perennial	150-200	C	2	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	15-25	F	+	Flowering, fruiting
<i>Plantago major</i>	perennial	15-25	O	+	Flowering, fruiting
<i>Polygonum argyrocoleon</i>	annual	25-30	O	+	Flowering, fruiting
<i>Populus afghanica</i>	tree	6-7 m	O	2	vegetation
<i>Potamogeton nodosus</i>	Perennial, hydrophyte		R	+	Flowering, fruiting
<i>Rhaponticum repens</i> (<i>Acroptilon repens</i>)	perennial	40-50	O	+	Flowering, fruiting
<i>Rumex confertus</i>	perennial	70-100	R	+	Flowering, fruiting
<i>Sisymbrium altissimum</i>	annual	30-40	F	+	dried
<i>Triticum aestivum</i>	annual	30-40	O	+	dried
<i>Typha angustifolia</i>	perennial	150-180	O	+	fruiting
<i>Typha laxmannii</i>	perennial	100-150	O	+	fruiting
<i>Ulmus pumila</i>	tree	5-6 m	O	2	vegetation
<i>Verbena officinalis</i>	perennial	30-35	R	+	Flowering
<i>Xanthium spinosum</i>	annual	25-30	F	1	Flowering, fruiting

<i>Xanthium strumarium</i>	annual	25-30	R	+	Flowering, fruiting
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Table 5: Check-list of plants recorded on sample plot 03 (40.84008° N, 68.86496° E), Quyi Chirchiq District of Tashkent Region, between villages Dustobod and Qiz-Ona, 27 km to the south of SS Khalka, banks of canal, woodland belts, roadsides and boundary-strips between wheat, cotton and peanut fields

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun- Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	30-40	F	1	Flowering, fruiting
<i>Artemisia serotina</i>	perennial	30-40	F	1	vegetation
<i>Avena fatua</i>	annual	40-50	O	+	dried
<i>Bromus scoparius</i>	annual	20-30	O	+	dried
<i>Bromus tectorum</i>	annual	15-20	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Caragana halodendron</i>	shrub	100-150	F	1	fruiting
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	50-70	O	+	fruiting
<i>Centaurea iberica</i>	biennial	20-30	F	+	Flowering, fruiting
<i>Cichorium intybus</i>	perennial	30-40	R	+	flowering
<i>Cirsium vulgare</i>	biennial	50-100	R	+	Flowering, fruiting
<i>Clematis orientalis</i>	Perennial, liana	100-150	R	+	Flowering, fruiting
<i>Conium maculatum</i>	annual, biennial	100-150	R	+	Flowering, fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	flowering
<i>Cynanchum acutum ssp. sibiricum</i>	Perennial, liana	100-150	R	+	flowering
<i>Cynodon dactylon</i>	perennial	15-20	C	2	Flowering, fruiting
<i>Daucus carota</i>	biennial	30-40	O	+	Flowering, fruiting
<i>Elymus repens</i>	perennial	30-40	F	+	fruiting
<i>Fallopia convolvulus</i>	Annual, liana	70-100	R	+	Flowering, fruiting
<i>Galium humifusum</i>	perennial	25-30	O	+	Flowering, fruiting
<i>Glycyrrhiza glabra</i>	perennial	100-150	O	+	Flowering, fruiting
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	25-35	F	1	dried
<i>Hordeum spontaneum</i>	annual	50-100	F	1	dried
<i>Karelinia caspia</i>	perennial	50-70	R	+	fruiting
<i>Lactuca serriola</i>	annual, biennial	50-100	O	+	Flowering, fruiting
<i>Lepidium latifolium</i>	perennial	40-50	O	+	fruiting
<i>Lotus krylovii</i>	perennial	10-15	R	+	Flowering, fruiting
<i>Medicago sativa</i>	perennial	30-40	R	+	Flowering, fruiting

<i>Mentha longifolia</i> var. <i>asiatica</i>	perennial	50-100	O	+	flowering
<i>Morus alba</i>	tree	250-300	R	1	vegetation
<i>Persicaria minor</i>	annual	25-40	R	+	Flowering, fruiting
<i>Phragmites australis</i>	perennial	100-150	O	1	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	15-25	F	+	Flowering, fruiting
<i>Plantago major</i>	perennial	15-25	O	+	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	20-25	F	+	dried
<i>Poacynum lancifolium</i> (<i>Trachomitum lancifolium</i>)	perennial	100-150	O	+	flowering
<i>Populus afghanica</i>	tree	6-7 m	O	2	vegetation
<i>Rhaponticum repens</i> (<i>Acroptilon repens</i>)	perennial	30-40	R	+	Flowering, fruiting
<i>Salix excelsa</i>	tree	5-6 m	R	1	vegetation
<i>Sisymbrium altissimum</i>	annual	30-40	F	+	dried
<i>Sonchus palustris</i>	perennial	50-70	R	+	Flowering, fruiting
<i>Tripidium ravennae</i> (<i>Erianthus ravennae</i>)	perennial	200-220	O	1	Flowering, fruiting
<i>Typha angustifolia</i>	perennial	100-150	O	1	fruiting
<i>Ulmus pumila</i>	tree	5-6 m	R	+	vegetation
<i>Verbena officinalis</i>	perennial	30-35	R	+	Flowering
<i>Xanthium spinosum</i>	annual	25-30	O	+	Flowering, fruiting
<i>Xanthium strumarium</i>	annual	25-30	R	+	Flowering, fruiting

Table 6: Check-list of plants recorded on sample plot 04 (40.81907° N, 68.82596° E), Quyi Chirchiq District of Tashkent Region, right bank of Syrdarya River near the village Qiz-Ona

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	30-40	C	2	Flowering, fruiting
<i>Amaranthus retroflexus</i>	annual	20-25	R	+	Flowering, fruiting
<i>Artemisia tournefortiana</i>	annual	50-70	O	+	Flowering, fruiting
<i>Capparis spinosa</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Capsella bursa-pastoris</i>	annual	25-30	O	+	dried
<i>Caragana halodendron</i>	shrub	100-150	R	+	fruiting
<i>Carthamus lanatus</i> subsp. <i>turkestanicus</i>	annual	50-70	F	+	fruiting
<i>Centaurea iberica</i>	biennial	20-30	O	+	Flowering, fruiting
<i>Chenopodium album</i>	annual	50-70	O	+	Flowering, fruiting
<i>Cichorium intybus</i>	perennial	30-40	O	+	flowering
<i>Cirsium vulgare</i>	biennial	50-100	O	+	Flowering, fruiting

<i>Cynanchum acutum ssp. sibiricum</i>	Perennial, liana	100-150	R	+	flowering
<i>Cynodon dactylon</i>	perennial	15-20	F	1	Flowering, fruiting
<i>Cyperus rotundus</i>	perennial	25-30	R	+	Flowering, fruiting
<i>Epilobium hirsutum</i>	perennial	50-100	R	+	Flowering, fruiting
<i>Equisetum arvense</i>	perennial	30-40	O	+	vegetation
<i>Fallopia convolvulus</i>	Annual, liana	100-150	R	+	Flowering, fruiting
<i>Glycyrrhiza glabra</i>	perennial	50-70	R	+	Flowering, fruiting
<i>Heliotropium ellipticum</i>	annual	25-30	R	+	Flowering, fruiting
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	25-35	F	1	dried
<i>Hordeum spontaneum</i>	annual	50-100	O	+	dried
<i>Karelinia caspia</i>	perennial	50-70	O	+	fruiting
<i>Lactuca serriola</i>	annual, biennial	50-100	O	+	Flowering, fruiting
<i>Lycium dasystemum</i>	shrub	50-100	O	1	Flowering, fruiting
<i>Marsilea quadrifolia</i>	Perennial, hydrophyte	10-15	A	2	vegetation
<i>Mentha longifolia var. asiatica</i>	perennial	50-100	O	+	flowering
<i>Myriophyllum spicatum</i>	Perennial, hydrophyte	10-15	F	1	Vegetation, flowering
<i>Myriophyllum verticillatum</i>	Perennial, hydrophyte	10-15	O	+	Vegetation, flowering
<i>Paspalum distichum</i>	perennial	15-25	A	3	flowering
<i>Phragmites australis</i>	perennial	70-100	O	1	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	15-25	F	1	Flowering, fruiting
<i>Plantago major</i>	perennial	15-25	F	1	Flowering, fruiting
<i>Poacynum lancifolium (Trachomitum lancifolium)</i>	perennial	100-150	O	+	flowering
<i>Polygonum argyrocoleon</i>	annual	25-30	O	+	Flowering, fruiting
<i>Potamogeton perfoliatus</i>	Perennial, hydrophyte		F	1	Flowering, fruiting
<i>Rhaponticum repens (Acroptilon repens)</i>	perennial	40-50	O	+	Flowering, fruiting
<i>Setaria viridis</i>	annual	15-25	F	+	Flowering, fruiting
<i>Sonchus palustris</i>	perennial	50-70	R	+	Flowering, fruiting
<i>Tamarix ramosissima</i>	shrub	150-180	O	1	flowering
<i>Typha angustifolia</i>	perennial	100-150	O	+	vegetation
<i>Xanthium spinosum</i>	annual	25-30	C	2	Flowering, fruiting
<i>Xanthium strumarium</i>	annual	25-30	F	1	Flowering, fruiting

Table 7: Check-list of plants recorded for riparian scrub on sample plot 05 (40.81739° N, 68.82465° E), Syrdarya District of Syrdarya Region, left bank of Syrdarya River

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Aegilops triuncialis</i>	annual	20-30	O	+	dried
<i>Alhagi pseudalhagi</i>	perennial	30-40	F	1	Flowering, fruiting
<i>Capparis spinosa</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Caragana halodendron</i>	shrub	100-150	O	+	fruiting
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	50-70	O	+	fruiting
<i>Centaurea iberica</i>	biennial	20-30	F	1	Flowering, fruiting
<i>Cichorium intybus</i>	perennial	30-40	R	+	flowering
<i>Cirsium vulgare</i>	biennial	50-100	R	+	Flowering, fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	flowering
<i>Cynanchum acutum ssp. sibiricum</i>	Perennial, liana	100-150	R	+	flowering
<i>Cynodon dactylon</i>	perennial	15-20	C	2	Flowering, fruiting
<i>Dodartia orientalis</i>	perennial	30-40	O	+	vegetation
<i>Elaeagnus angustifolia</i>	tree	250-300	O	1	vegetation
<i>Equisetum arvense</i>	perennial	30-40	R	+	vegetation
<i>Fallopia convolvulus</i>	Annual, liana	100-150	O	+	Flowering, fruiting
<i>Glycyrrhiza glabra</i>	perennial	50-70	O	+	Flowering, fruiting
<i>Heliotropium ellipticum</i>	annual	25-30	O	+	Flowering, fruiting
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	25-35	F	1	dried
<i>Hordeum spontaneum</i>	annual	50-100	F	1	dried
<i>Karelinia caspia</i>	perennial	50-70	O	+	fruiting
<i>Lactuca serriola</i>	annual, biennial	50-100	O	+	Flowering, fruiting
<i>Lycium dasystemum</i>	shrub	50-100	O	1	Flowering, fruiting
<i>Papaver pavoninum</i>	annual	15-20	O	+	dried
<i>Peganum harmala</i>	perennial	25-35	R	+	fruiting
<i>Phragmites australis</i>	perennial	70-100	O	1	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	15-25	O	+	Flowering, fruiting
<i>Plantago major</i>	perennial	15-25	O	+	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	25-30	O	+	dried
<i>Poacynum lancifolium (Trachomitum lancifolium)</i>	perennial	100-150	O	+	flowering
<i>Polygonum aviculare</i>	Annual, perennial	10-15	O	+	Flowering, fruiting
<i>Populus pruinosa</i>	tree	6-7 m	O	1	vegetation

<i>Rhaponicum repens</i> (<i>Acroptilon repens</i>)	perennial	40-50	O	+	Flowering, fruiting
<i>Sisymbrium altissimum</i>	annual	30-40	F	+	dried
<i>Tamarix ramosissima</i>	shrub	150-180	C	3	flowering
<i>Torilis arvensis</i>	annual	15-20	O	+	dried
<i>Tribulus terrestris</i>	annual	10-15	O	+	Flowering, fruiting
<i>Tripidium ravennae</i> (<i>Erianthus ravennae</i>)	perennial	200-220	R	+	Flowering, fruiting
<i>Typha angustifolia</i>	perennial	100-150	O	+	vegetation
<i>Verbascum blattaria</i>	biennial	30-40	R	+	Flowering, fruiting
<i>Xanthium spinosum</i>	annual	25-30	F	1	Flowering, fruiting
<i>Xanthium strumarium</i>	annual	25-30	O	+	Flowering, fruiting

Table 8: Check-list of plants recorded on sample plot 06 (40.80202° N, 68.79952° E), Syrdarya District of Syrdarya Region, banks of canal and roadsides between rice fields

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Artemisia annua</i>	annual	40-50	O	+	Flowering, fruiting
<i>Avena fatua</i>	annual	40-50	O	+	dried
<i>Bolboschoenus maritimus</i>	perennial	40-50	R	+	Flowering, fruiting
<i>Bromus scoparius</i>	annual	20-30	O	+	dried
<i>Bromus tectorum</i>	annual	15-20	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Caragana halodendron</i>	shrub	100-150	R	+	fruiting
<i>Carex muricata</i>	perennial	30-40	R	+	fruiting
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	50-70	O	+	fruiting
<i>Centaurea iberica</i>	biennial	20-30	O	+	Flowering, fruiting
<i>Cichorium intybus</i>	perennial	30-40	O	+	flowering
<i>Cirsium vulgare</i>	biennial	50-100	O	+	Flowering, fruiting
<i>Conium maculatum</i>	annual, biennial	100-150	R	+	Flowering, fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	flowering
<i>Cynanchum acutum ssp. sibiricum</i>	Perennial, liana	100-150	R	+	flowering
<i>Cynodon dactylon</i>	perennial	15-20	A	2	Flowering, fruiting
<i>Dodartia orientalis</i>	perennial	30-40	R	+	vegetation
<i>Elaeagnus angustifolia</i>	tree	200-250	O	1	vegetation
<i>Galium humifusum</i>	perennial	25-30	R	+	Flowering, fruiting

<i>Glycyrrhiza glabra</i>	perennial	100-150	F	1	Flowering, fruiting
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	25-35	C	2	dried
<i>Hordeum spontaneum</i>	annual	50-100	O	+	dried
<i>Karelinia caspia</i>	perennial	50-70	O	+	fruiting
<i>Lactuca serriola</i>	annual, biennial	50-100	R	+	Flowering, fruiting
<i>Lepidium draba</i>	perennial	25-30	O	+	fruiting
<i>Lepidium latifolium</i>	perennial	40-50	R	+	fruiting
<i>Mentha longifolia var. asiatica</i>	perennial	50-100	R	+	flowering
<i>Persicaria minor</i>	annual	25-40	R	+	Flowering, fruiting
<i>Phragmites australis</i>	perennial	100-150	A	3	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	15-25	O	+	Flowering, fruiting
<i>Plantago major</i>	perennial	15-25	O	+	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	20-25	F	+	dried
<i>Rumex conglomeratus</i>	perennial	50-70	R	+	fruiting
<i>Sisymbrium altissimum</i>	annual	30-40	O	+	dried
<i>Sonchus palustris</i>	perennial	50-70	R	+	Flowering, fruiting
<i>Tamarix ramosissima</i>	shrub	150-180	F	2	flowering
<i>Typha angustifolia</i>	perennial	100-150	O	1	fruiting
<i>Verbascum blattaria</i>	biennial	30-40	O	+	Flowering, fruiting
<i>Verbena officinalis</i>	perennial	30-35	R	+	Flowering
<i>Xanthium spinosum</i>	annual	25-30	O	+	Flowering, fruiting
<i>Xanthium strumarium</i>	annual	25-30	R	+	Flowering, fruiting
<i>Zygophyllum oxianum</i>	perennial	30-35	R	+	Flowering, fruiting

Table 9: Check-list of plants recorded on sample plot 07 (40.78989° N, 68.75629° E) for salt tree-Zygophyllum-camel thorn-grass community, Syrdarya District of Syrdarya Region, banks of drainage channel, between cotton fields

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	30-40	C	2	Flowering, fruiting
<i>Artemisia annua</i>	annual	40-50	O	+	Flowering, fruiting
<i>Avena fatua</i>	annual	40-50	R	+	dried
<i>Bolboschoenus maritimus</i>	perennial	40-50	O	+	Flowering, fruiting
<i>Bromus scoparius</i>	annual	20-30	F	+	dried
<i>Bromus tectorum</i>	annual	15-20	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Caragana halodendron</i>	shrub	100-150	F	1	fruiting

<i>Carthamus lanatus</i> subsp. <i>turkestanicus</i>	annual	50-70	O	+	fruiting
<i>Centaurea iberica</i>	biennial	20-30	O	+	Flowering, fruiting
<i>Cichorium intybus</i>	perennial	30-40	R	+	flowering
<i>Cirsium vulgare</i>	biennial	50-100	O	+	Flowering, fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	flowering
<i>Cynanchum acutum</i> ssp. <i>sibiricum</i>	Perennial, liana	100-150	O	+	flowering
<i>Cynodon dactylon</i>	perennial	15-20	A	2	Flowering, fruiting
<i>Dodartia orientalis</i>	perennial	30-40	R	+	vegetation
<i>Elaeagnus angustifolia</i>	tree	200-250	O	1	vegetation
<i>Glycyrrhiza glabra</i>	perennial	100-150	F	1	Flowering, fruiting
<i>Hordeum marinum</i> subsp. <i>gussoneanum</i>	annual	20-25	F	+	dried
<i>Hordeum murinum</i> subsp. <i>leporinum</i> (<i>Hordeum leporinum</i>)	annual	25-35	F	1	dried
<i>Karelinia caspia</i>	perennial	50-70	O	+	fruiting
<i>Lactuca serriola</i>	annual, biennial	50-100	R	+	Flowering, fruiting
<i>Lepidium draba</i>	perennial	25-30	O	+	fruiting
<i>Lepidium latifolium</i>	perennial	40-50	O	+	fruiting
<i>Melilotus officinalis</i>	perennial	40-50	R	+	fruiting
<i>Mentha longifolia</i> var. <i>asiatica</i>	perennial	50-100	O	+	flowering
<i>Morus alba</i>	tree	250-300	R	1	vegetation
<i>Persicaria minor</i>	annual	25-40	R	+	Flowering, fruiting
<i>Phragmites australis</i>	perennial	150-200	A	3	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	15-25	F	+	Flowering, fruiting
<i>Plantago major</i>	perennial	15-25	O	+	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	20-25	O	+	dried
<i>Rumex conglomeratus</i>	perennial	50-70	O	+	fruiting
<i>Sisymbrium altissimum</i>	annual	30-40	O	+	dried
<i>Tamarix ramosissima</i>	shrub	150-180	O	1	flowering
<i>Trifolium repens</i>	perennial	5-10	O	+	Flowering, fruiting
<i>Tripidium ravennae</i> (<i>Erianthus ravennae</i>)	perennial	200-220	R	+	Flowering, fruiting
<i>Typha angustifolia</i>	perennial	150-180	F	1	fruiting
<i>Xanthium spinosum</i>	annual	25-30	O	+	Flowering, fruiting
<i>Xanthium strumarium</i>	annual	25-30	R	+	Flowering, fruiting
<i>Zygophyllum oxianum</i>	perennial	30-35	F	1	Flowering, fruiting

Table 10: Check-list of plants recorded on sample plot 08 (40.78442° N, 68.68° E), Syrdarya District of Syrdarya Region, woodland belt and small irrigated alfa-alfa fields between the railway and highway M34, between towns Syrdarya and Bakht

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Centaurea iberica</i>	biennial	20-30	O	+	Flowering, fruiting
<i>Cichorium intybus</i>	perennial	30-40	O	+	flowering
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	flowering
<i>Cynodon dactylon</i>	perennial	15-20	A	2	Flowering, fruiting
<i>Fraxinus angustifolia subsp. syriaca</i>	tree	3-6 m	O	1	vegetation
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	25-35	A	3	fruiting
<i>Lactuca serriola</i>	annual, biennial	50-100	F	+	Flowering, fruiting
<i>Medicago sativa</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Phragmites australis</i>	perennial	50-70	O	1	vegetation
<i>Plantago lanceolata</i>	perennial	15-25	O	+	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	20-25	O	+	dried
<i>Poacynum lancifolium (Trachomitum lancifolium)</i>	perennial	70-100	R	+	flowering
<i>Polygonum argyrocoleon</i>	annual	25-30	O	+	Flowering, fruiting
<i>Polygonum aviculare</i>	Annual, perennial	10-15	O	+	Flowering, fruiting
<i>Populus alba</i>	tree	4-7 m	O	2	vegetation
<i>Rhaponticum repens (Acroptilon repens)</i>	perennial	40-50	R	+	Flowering, fruiting
<i>Rumex conglomeratus</i>	perennial	50-70	R	+	Flowering, fruiting
<i>Salix excelsa</i>	tree	2-3 m	R	+	vegetation
<i>Setaria viridis</i>	annual	15-25	O	+	Flowering, fruiting
<i>Sorghum halepense</i>	perennial	40-50	O	+	vegetation
<i>Trifolium repens</i>	perennial	5-10	O	+	Flowering, fruiting
<i>Ulmus pumila</i>	tree	7-8 m	O	2	vegetation
<i>Xanthium spinosum</i>	annual	25-30	R	+	Flowering, fruiting
<i>Xanthium strumarium</i>	annual	25-30	R	+	Flowering, fruiting

Table 11: Check-list of plants recorded on sample plot 09 (40.5548° N, 68.61285° E) Mirzaabad District of Syrdarya Region, drainage channel with camel thorn-reed-liquorice community, between irrigated wheat and cotton fields and highway

Species	Life form	Height, cm	Abundance	Phenol. Stage
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		Height, cm	DACFOR	Braun- Blanquet	Phenol. Stage
<i>Aegilops triuncialis</i>	annual	20-30	O	+	dried
<i>Aeluropus litoralis</i>	perennial	15-20	O	+	fruiting
<i>Alhagi pseudalhagi</i>	perennial	30-40	A	2	Flowering, fruiting
<i>Atriplex micrantha</i>	annual	40-50	R	+	Flowering, fruiting
<i>Avena fatua</i>	annual	40-50	R	+	dried
<i>Bolboschoenus maritimus</i>	perennial	40-50	O	+	Flowering, fruiting
<i>Bromus danthoniae</i>	annual	12-15	O	+	dried
<i>Bromus scoparius</i>	annual	20-30	F	+	dried
<i>Bromus tectorum</i>	annual	15-20	F	+	dried
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	50-70	O	+	fruiting
<i>Centaurea iberica</i>	biennial	20-30	O	+	Flowering, fruiting
<i>Cirsium vulgare</i>	biennial	50-100	R	+	Flowering, fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	flowering
<i>Cressa cretica</i>	perennial	10-15	O	+	vegetation
<i>Cynanchum acutum ssp. sibiricum</i>	Perennial, liana	100-150	R	+	flowering
<i>Cynodon dactylon</i>	perennial	15-20	F	1	Flowering, fruiting
<i>Descurainia sophia</i>	annual	25-30	F	+	dried
<i>Dodartia orientalis</i>	perennial	30-40	R	+	vegetation
<i>Eremopyrum triticeum</i>	annual	12-15	O	+	dried
<i>Glycyrrhiza glabra</i>	perennial	100-150	A	3	Flowering, fruiting
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	25-35	F	1	dried
<i>Karelinia caspia</i>	perennial	50-70	F	1	fruiting
<i>Lactuca serriola</i>	annual, biennial	50-100	O	+	Flowering, fruiting
<i>Lepidium draba</i>	perennial	25-30	O	+	fruiting
<i>Lepidium latifolium</i>	perennial	40-50	O	+	fruiting
<i>Limonium otolepis</i>	perennial	30-40	C	1	Flowering, fruiting
<i>Morus alba</i>	tree	250-300	R	1	vegetation
<i>Phleum paniculatum</i>	annual	15-20	O	+	dried
<i>Phragmites australis</i>	perennial	100-150	C	2	vegetation
<i>Plantago lanceolata</i>	perennial	15-25	O	+	Flowering, fruiting
<i>Plantago major</i>	perennial	15-25	R	+	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	20-25	O	+	dried
<i>Polypogon monspeliensis</i>	annual	15-20	R	+	Flowering, fruiting
<i>Psylliostachys suworowii</i>	annual	15-25	O	+	dried
<i>Puccinellia distans</i>	perennial	30-40	O	+	fruiting
<i>Rumex conglomeratus</i>	perennial	50-70	R	+	fruiting
<i>Sisymbrium altissimum</i>	annual	30-40	O	+	dried

<i>Sisymbrium loeselii</i>	Annual, biennial	40-50	R	+	fruiting
<i>Tamarix ramosissima</i>	shrub	70-100	O	1	flowering
<i>Tripidium ravennae</i> (<i>Erianthus ravennae</i>)	perennial	200-220	R	+	Flowering, fruiting
<i>Typha angustifolia</i>	perennial	100-150	O	+	fruiting
<i>Xanthium spinosum</i>	annual	25-30	O	+	Flowering, fruiting
<i>Xanthium strumarium</i>	annual	25-30	R	+	Flowering, fruiting
<i>Zygophyllum oxianum</i>	perennial	30-35	O	+	Flowering, fruiting

Table 12: Check-list of plants recorded on sample plot 10 (40.52026° N, 68.45822° E) Mirzaabad District of Syrdarya Region, tamarisk-saltwort-camel thorn community on saline land, reeds along drainage channel and woodland belt, between highway and irrigated wheat fields

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Aeluropus littoralis</i>	perennial	15-20	F	1	fruiting
<i>Alhagi pseudalhagi</i>	perennial	30-40	C	2	Flowering, fruiting
<i>Atriplex micrantha</i>	annual	40-50	O	+	Flowering, fruiting
<i>Avena fatua</i>	annual	40-50	O	+	dried
<i>Bolboschoenus maritimus</i>	perennial	40-50	O	+	Flowering, fruiting
<i>Bromus scoparius</i>	annual	20-30	F	+	Dried
<i>Bromus tectorum</i>	annual	15-20	F	+	Dried
<i>Carduus pycnocephalus</i>	annual	40-50	O	+	Flowering, fruiting
<i>Centaurea iberica</i>	biennial	20-30	O	+	Flowering, fruiting
<i>Cirsium vulgare</i>	biennial	50-100	R	+	Flowering, fruiting
<i>Climacoptera sp.</i>	annual	25-30	F	1	vegetation
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	flowering
<i>Cressa cretica</i>	perennial	10-15	O	+	vegetation
<i>Cynodon dactylon</i>	perennial	15-20	A	1	Flowering, fruiting
<i>Descurainia sophia</i>	annual	25-30	F	+	dried
<i>Eremopyrum triticeum</i>	annual	12-15	O	+	dried
<i>Fraxinus angustifolia subsp. syriaca</i>	tree	4-6 m	R	1	fruiting
<i>Galium spurium</i>	annual	50-100	O	+	fruiting
<i>Glycyrrhiza glabra</i>	perennial	100-150	F	1	Flowering, fruiting
<i>Halostachys caspica</i>	shrub	100-150	F	1	Flowering
<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	30-40	A	1	dried
<i>Hordeum spontaneum</i>	annual	50-60	O	+	dried
<i>Karelinia caspia</i>	perennial	50-70	F	1	fruiting
<i>Lactuca serriola</i>	annual, biennial	50-100	O	+	Flowering, fruiting

<i>Lepidium latifolium</i>	perennial	40-50	O	+	fruiting
<i>Limonium otolepis</i>	perennial	30-40	F	1	Flowering, fruiting
<i>Marrubium anisodon</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Morus alba</i>	tree	250-300	R	1	vegetation
<i>Phleum paniculatum</i>	annual	15-20	O	+	dried
<i>Phragmites australis</i>	perennial	100-150	C	2	vegetation
<i>Plantago lanceolata</i>	perennial	15-25	O	+	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	20-25	O	+	dried
<i>Psylliostachys suworowii</i>	annual	15-25	O	+	dried
<i>Rumex conglomeratus</i>	perennial	50-70	R	+	fruiting
<i>Sisymbrium altissimum</i>	annual	30-40	F	+	dried
<i>Stizolophus balsamita</i>	annual	30-40	R	+	fruiting
<i>Suaeda altissima</i>	annual	50-100	F	1	flowering
<i>Tamarix hispida</i>	shrub	150-180	F	2	Vegetation
<i>Tamarix hohenackeri</i>	shrub	150-180	O	1	Flowering
<i>Typha angustifolia</i>	perennial	150-200	F	1	Fruiting
<i>Ulmus pumila</i>	tree	6-7 m	O	2	vegetation
<i>Xanthium spinosum</i>	annual	25-30	O	+	Flowering, fruiting
<i>Zygophyllum oxianum</i>	perennial	30-35	O	+	Flowering, fruiting

Table 13: Check-list of plants recorded on sample plot 11 (40.447° N, 68.24592° E), 360 km OTHL, border Dzhizak and Syrdarya Regions, tamarisk-saltwort-camel thorn community on saline land and reeds along drainage channel, between the highway M39 and irrigated cotton fields

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Aeluropus litoralis</i>	perennial	15-20	F	1	fruiting
<i>Alhagi pseudalhagi</i>	perennial	40-50	A	3	Flowering, fruiting
<i>Atriplex micrantha</i>	annual	40-50	O	+	Flowering, fruiting
<i>Bromus scoparius</i>	annual	20-30	O	+	dried
<i>Bromus tectorum</i>	annual	15-20	O	+	dried
<i>Carduus pycnocephalus</i>	annual	40-50	O	+	Flowering, fruiting
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	50-60	O	+	fruiting
<i>Centaurea iberica</i>	biennial	20-30	O	+	Flowering, fruiting
<i>Cichorium intybus</i>	perennial	30-40	O	+	flowering
<i>Cirsium vulgare</i>	biennial	50-100	R	+	Flowering, fruiting
<i>Climacoptera sp.</i>	annual	25-30	O	+	vegetation
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	R	+	flowering
<i>Cynodon dactylon</i>	perennial	15-20	F	1	Flowering, fruiting

<i>Glycyrrhiza glabra</i>	perennial	100-150	O	+	Flowering, fruiting
<i>Halocharis hispida</i>	annual	20-25	O	+	vegetation
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	30-40	F	1	dried
<i>Karelinia caspia</i>	perennial	50-70	F	1	fruiting
<i>Lactuca serriola</i>	annual, biennial	50-100	R	+	Flowering, fruiting
<i>Limonium otolepis</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Onopordum leptolepis</i>	biennial	100-150	O	+	flowering
<i>Phleum paniculatum</i>	annual	12-15	O	+	dried
<i>Phragmites australis</i>	perennial	150-200	A	2	vegetation
<i>Plantago lanceolata</i>	perennial	15-25	O	+	Flowering, fruiting
<i>Platanus orientalis</i>	tree	7-10 m	O	2	vegetation
<i>Poa bulbosa</i>	perennial	20-25	O	+	dried
<i>Populus alba</i>	tree	7-10 m	O	2	vegetation
<i>Sisymbrium altissimum</i>	annual	30-40	R	+	dried
<i>Suaeda altissima</i>	annual	50-100	F	1	flowering
<i>Tamarix hohenackeri</i>	shrub	150-180	O	1	Fruiting
<i>Tamarix ramosissima</i>	shrub	150-180	R	1	Vegetation
<i>Typha angustifolia</i>	perennial	150-200	O	1	Fruiting
<i>Ulmus pumila</i>	tree	7-10 m	O	2	vegetation
<i>Xanthium spinosum</i>	annual	25-30	O	+	Flowering, fruiting
<i>Zygophyllum oxianum</i>	perennial	30-35	R	+	Flowering, fruiting

Table 14: Check-list of plants recorded on sample plot 12 (40.33315° N, 67.92044° E), 360 km OTHL, Pakhtakor District of Dzhizak Region, woodland belt and community of camel thorn, tamarisk and reeds along the canal, between road and irrigated cotton and wheat fields

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Abutilon theophrasti</i>	annual	40-50	R	+	Flowering, fruiting
<i>Aeluropus litoralis</i>	perennial	15-20	O	+	fruiting
<i>Alhagi pseudalhagi</i>	perennial	40-50	A	3	Flowering, fruiting
<i>Artemisia scoparia</i>	biennial	40-50	O	+	flowering
<i>Artemisia tournefortiana</i>	annual	50-70	R	+	Flowering
<i>Atriplex micrantha</i>	annual	40-50	O	+	Flowering, fruiting
<i>Bromus scoparius</i>	annual	20-30	O	+	dried
<i>Carduus pycnocephalus</i>	annual	40-50	R	+	Flowering, fruiting
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	50-60	R	+	fruiting
<i>Centaurea iberica</i>	biennial	20-30	O	+	Flowering, fruiting
<i>Cichorium intybus</i>	perennial	30-40	R	+	flowering
<i>Cirsium vulgare</i>	biennial	50-100	R	+	Flowering, fruiting

<i>Climacoptera sp.</i>	annual	25-30	O	+	vegetation
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	R	+	flowering
<i>Cynanchum acutum ssp. sibiricum</i>	Perennial, liana	100-150	R	+	flowering
<i>Cynodon dactylon</i>	perennial	15-20	F	1	Flowering, fruiting
<i>Elaeagnus andustifolia</i>	tree	250-300	O	1	fruiting
<i>Fraxinus angustifolia subsp. syriaca</i>	tree	4-6 m	O	1	fruiting
<i>Glycyrrhiza glabra</i>	perennial	100-150	O	+	Flowering, fruiting
<i>Halocharis hispida</i>	annual	20-25	O	+	vegetation
<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	30-40	F	1	dried
<i>Karelinia caspia</i>	perennial	50-70	F	1	fruiting
<i>Lactuca serriola</i>	annual, biennial	50-100	R	+	Flowering, fruiting
<i>Lepidium draba</i>	perennial	25-30	O	+	fruiting
<i>Lepidium latifolium</i>	perennial	40-50	O	+	fruiting
<i>Limonium otolepis</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Mentha longifolia var. asiatica</i>	perennial	50-100	O	+	Flowering, fruiting
<i>Morus alba</i>	tree	3-4 m	O	1	vegetation
<i>Onopordum leptolepis</i>	biennial	70-100	R	+	flowering
<i>Persicaria hydropiper</i>	annual	50-70	O	+	Flowering, fruiting
<i>Persicaria minor</i>	annual	25-40	O	+	Flowering, fruiting
<i>Phleum paniculatum</i>	annual	12-15	O	+	dried
<i>Phragmites australis</i>	perennial	150-200	A	2	vegetation
<i>Plantago lanceolata</i>	perennial	15-25	F	1	fruiting
<i>Plantago major</i>	perennial	10-15	F	1	fruiting
<i>Poa bulbosa</i>	perennial	20-25	O	+	dried
<i>Polygonum aviculare</i>	Annual, perennial	10-15	O	+	Flowering, fruiting
<i>Populus alba</i>	tree	7-10 m	O	2	vegetation
<i>Salix excelsa</i>	tree	7-10 m	O	2	vegetation
<i>Schoenoplectus tabernaemontani</i>	perennial	100-150	R	+	Flowering, fruiting
<i>Sclerochloa dura</i>	annual	5-10	O	+	Flowering, fruiting
<i>Sisymbrium altissimum</i>	annual	30-40	R	+	dried
<i>Sphaerophysa salsula</i>	perennial	30-40	O	+	fruiting
<i>Suaeda altissima</i>	annual	50-100	O	+	flowering
<i>Tamarix hohenackeri</i>	shrub	150-200	O	1	Fruiting
<i>Tamarix ramosissima</i>	shrub	150-200	O	1	Vegetation
<i>Trifolium repens</i>	perennial	5-10	O	+	Flowering, fruiting
<i>Typha angustifolia</i>	perennial	150-200	F	1	Fruiting
<i>Ulmus pumila</i>	tree	7-10 m	O	2	vegetation
<i>Xanthium spinosum</i>	annual	25-30	O	+	Flowering, fruiting

Table 15: Check-list of plants recorded for natural habitat (dry grasslands, caper-ephemeroid-sagebrush community) on sample plot 13 (40.16754° N, 67.694° E), 360 km OTHL, Sharaf Rashidov District of Dzhizak Region, 1.5 km to the west of the village Kuyovboshi, northern piedmonts of Nuratau Range

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Acanthophyllum pungens</i>	perennial	25-30	R	+	fruiting
<i>Alhagi pseudalhagi</i>	perennial	25-30	R	+	Flowering, fruiting
<i>Alyssum desertorum</i>	annual	5-7	R	+	dried
<i>Aphanopleura capillifolia</i>	annual	10-15	O	+	dried
<i>Artemisia sogdiana</i>	subshrub	20-30	A	2	vegetation
<i>Bromus danthoniae</i>	annual	10-15	R	+	dried
<i>Capparis spinosa</i>	perennial	30-40	F	1	flowering
<i>Carex pachystylis</i>	perennial	7-10	A	1	dried
<i>Carthamus oxyacanthus</i>	annual	30-40	R	+	flowering
<i>Centaurea belangeriana</i>	annual, biennial	20-30	R	+	flowering
<i>Ceratocarpus arenarius</i>	annual	15-20	R	+	fruiting
<i>Cousinia resinosa</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	F	+	fruiting
<i>Erodium cicutarium</i>	annual	7-10	R	+	vegetation
<i>Euphorbia chamaesyce</i>	annual	5-7	O	+	Flowering, fruiting
<i>Galium tenuissimum</i>	annual	10-15	O	+	dried
<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	20-25	O	+	dried
<i>Minuartia meyeri</i>	annual	5-7	O	+	dried
<i>Phlomis thapsoides</i>	perennial	30-40	O	+	fruiting
<i>Poa bulbosa</i>	perennial	15-20	F	+	dried
<i>Taeniatherum caput-medusae</i>	annual	20-30	O	+	dried
<i>Ziziphora tenuior</i>	annual	5-7	O	+	dried

Table 16: Check-list of plants recorded on sample plot 14 (40.1459° N, 67.69066° E), 360 km OTHL, Sharaf Rashidov District of Dzhizak Region, northern slope of Nuratau Range, 3 km to the south of the village Kuyovboshi, xerophytic shrublands, sagebrush-forb-grass-spiny almond community

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Acanthophyllum pungens</i>	perennial	25-30	R	+	fruiting
<i>Aegilops triuncialis</i>	annual	20-30	O	+	dried
<i>Alhagi pseudalhagi</i>	perennial	25-30	R	+	Flowering, fruiting
<i>Alyssum desertorum</i>	annual	5-7	O	+	dried
<i>Arenaria leptoclados</i>	annual	10-15	O	+	dried
<i>Artemisia sogdiana</i>	subshrub	20-30	C	1	vegetation
<i>Astragalus bactrianus</i>	subshrub	25-30	R	+	fruiting
<i>Bromus danthoniae</i>	annual	10-15	O	+	dried
<i>Bromus tectorum</i>	annual	15-20	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	R	+	flowering
<i>Carex pachystylis</i>	perennial	7-10	F	+	dried
<i>Centaurea virgata subsp. squarrosa</i>	perennial	30-40	O	+	flowering

<i>Chondrilla juncea</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Cousinia radians</i>	biennial	30-40	O	+	Flowering, fruiting
<i>Dianthus helenae</i>	perennial	20-25	O	+	fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	O	+	fruiting
<i>Erodium cicutarium</i>	annual	7-10	R	+	vegetation
<i>Euphorbia chamaesyce</i>	annual	5-7	R	+	Flowering, fruiting
<i>Haplophyllum acutifolium</i>	perennial	25-30	R	+	fruiting
<i>Hypericum scabrum</i>	perennial	20-25	R	+	fruiting
<i>Minuartia meyeri</i>	annual	5-7	R	+	dried
<i>Nanophyton saxatile</i>	subshrub	10-15	R	+	vegetation
<i>Phleum paniculatum</i>	annual	12-15	O	+	dried
<i>Phlomis nubilans</i>	perennial	25-30	O	+	Flowering, fruiting
<i>Picnomon acarna</i>	annual	25-30	O	+	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	15-20	F	+	dried
<i>Prunus (Amygdalus) spinosissima</i>	shrub	100-150	C	2	fruiting
<i>Taeniatherum caput-medusae</i>	annual	20-30	F	+	dried
<i>Thinopyrum intermedium (Elytrigia trichophora)</i>	perennial	50-60	O	+	fruiting
<i>Ziziphora clinopodioides</i>	perennial	20-25	O	+	fruiting
<i>Ziziphora tenuior</i>	annual	5-7	R	+	dried

Table 17: Check-list of plants recorded on sample plot 15 (40.14371° N, 67.69029° E), 360 km OTHL, Sharaf Rashidov District of Dzhizak Region, crest of Nuratau Range, non-irrigated fallow land with secondary forb-grass community

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Achillea arabica (Achillea biebersteinii)</i>	perennial	20-25	F	1	fruiting
<i>Aegilops cylindrica</i>	annual	20-30	O	+	dried
<i>Aegilops triuncialis</i>	annual	20-30	F	+	dried
<i>Alhagi pseudalhagi</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Alyssum desertorum</i>	annual	5-7	F	+	dried
<i>Arenaria leptoclados</i>	annual	10-15	F	+	dried
<i>Artemisia sogdiana</i>	subshrub	30-40	O	1	vegetation
<i>Astragalus filicaulis</i>	annual	20-25	O	+	dried
<i>Bromus danthoniae</i>	annual	10-15	O	+	dried
<i>Bromus scoparius</i>	annual	20-25	F	+	dried
<i>Bromus tectorum</i>	annual	20-25	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	F	1	flowering
<i>Carex pachystylis</i>	perennial	7-10	A	1	dried
<i>Carthamus oxyacanthus</i>	annual	30-40	O	+	flowering
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	40-50	O	+	fruiting
<i>Centaurea belangeriana</i>	annual, biennial	30-40	O	+	flowering
<i>Centaurea virgata subsp. squarrosa</i>	perennial	30-40	F	1	flowering
<i>Chondrilla juncea</i>	perennial	30-40	R	+	Flowering, fruiting

<i>Convolvulus arvensis</i>	Perennial, liana	15-20	O	+	Flowering, fruiting
<i>Convolvulus pseudocantabrica</i>	perennial	30-40	O	+	fruiting
<i>Cousinia microcarpa</i>	biennial	30-40	O	+	Flowering, fruiting
<i>Cousinia radians</i>	biennial	30-40	F	+	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	15-20	O	+	Flowering, fruiting
<i>Dianthus helenae</i>	perennial	20-25	O	+	fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	O	+	fruiting
<i>Echinophora sibthorpiana</i>	biennial	25-30	F	1	flowering
<i>Echium biebersteinii</i>	biennial	30-40	R	+	fruiting
<i>Eremodaucus lehmannii</i>	annual	30-40	O	+	dried
<i>Erodium cicutarium</i>	annual	7-10	R	+	vegetation
<i>Garhadiolus papposus</i>	annua	15-20	O	+	dried
<i>Handelia trichophylla</i>	perennial	60-70	R	+	fruiting
<i>Haplophyllum latifolium</i>	perennial	30-40	O	+	fruiting
<i>Haplophyllum acutifolium</i>	perennial	30-40	F	1	fruiting
<i>Hordeum spontaneum</i>	annual	30-40	O	+	dried
<i>Hordeum vulgare</i>	annual	40-50	F	1	dried
<i>Koelpinia linearis</i>	annual	15-20	O	+	dried
<i>Lomelosia songarica (Scabiosa songarica)</i>	perennial	30-40	R	+	fruiting
<i>Marrubium anisodon</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Papaver pavoninum</i>	annual	20-25	O	+	dried
<i>Phleum paniculatum</i>	annual	12-15	O	+	dried
<i>Phlomis thapsoides</i>	perennial	25-30	F	1	fruiting
<i>Poa bulbosa</i>	perennial	25-30	C	1	dried
<i>Reseda lutea</i>	perennial	30-40	R	+	fruiting
<i>Rhaponticum repens (Acroptilon repens)</i>	perennial	30-40	O	+	fruiting
<i>Rochelia cardiosepala</i>	annual	15-20	O	+	dried
<i>Roemeria refracta</i>	annual	20-25	O	+	dried
<i>Salvia macrosiphon</i>	perennial	30-40	R	+	fruiting
<i>Sisymbrium altissimum</i>	annual	30-40	F	1	dried
<i>Stizolophus balsamita</i>	annual	30-40	R	+	fruiting
<i>Taeniatherum caput-medusae</i>	annual	25-30	F	+	dried
<i>Thinopyrum intermedium (Elytrigia trichophora)</i>	perennial	60-70	A	2	fruiting
<i>Triticum aestivum</i>	annual	30-40	O	+	dried
<i>Turgenia latifolia</i>	annual	25-30	O	+	dried

Table 18: Check-list of plants recorded on sample plot 16 (40.07431° N, 67.59559° E), 360 km OTHL, Gallaral District of Dzhizak Region, surroundings of the village Chayanly, intensively grazed wet grassland in the valley of temporary stream on the southern slope of Nuratau Range

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun- Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	25-30	O	+	Flowering, fruiting
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	30-40	O	+	fruiting

<i>Centaurea iberica</i>	biennial	20-30	C	2	flowering
<i>Cichorium intybus</i>	perennial	25-30	R	+	flowering
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	Flowering, fruiting
<i>Cousinia microcarpa</i>	biennial	25-30	O	+	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	10-15	D	3	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	O	+	fruiting
<i>Erodium cicutarium</i>	annual	7-10	O	+	vegetation
<i>Euphorbia chamaesyce</i>	annual	5-7	O	+	Flowering, fruiting
<i>Galium humifusum</i>	perennial	5-10	R	+	Flowering, fruiting
<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	20-25	O	+	dried
<i>Onopordum leptolepis</i>	biennial	40-50	R	+	flowering
<i>Peganum harmala</i>	perennial	25-30	O	+	fruiting
<i>Phleum paniculatum</i>	annual	12-15	R	+	dried
<i>Picnomon acarna</i>	annual	30-40	O	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	10-15	O	+	fruiting
<i>Trifolium fragiferum</i>	perennial	5-10	C	1	Flowering, fruiting
<i>Trifolium repens</i>	perennial	5-10	R	+	Flowering, fruiting
<i>Xanthium spinosum</i>	annual	25-30	F	1	Flowering, fruiting

Table 19: Check-list of plants recorded on sample plot 17 (40.06872° N, 67.56588° E), 360 km OTHL, Gallaral District of Dzhizak Region, woodland belt among non-irrigated safflower fields on the southern slope of Nuratau Range

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun- Blanquet	
<i>Achillea wilhelmsii</i> (<i>Achillea kermanica</i>)	perennial	20-25	O	+	fruiting
<i>Aegilops cylindrica</i>	annual	25-30	F	+	dried
<i>Aegilops triuncialis</i>	annual	25-30	F	+	dried
<i>Alhagi pseudalhagi</i>	perennial	25-30	F	1	Flowering, fruiting
<i>Astragalus filicaulis</i>	annual	15-20	F	+	dried
<i>Bromus danthoniae</i>	annual	10-15	O	+	dried
<i>Bromus scoparius</i>	annual	15-20	O	+	dried
<i>Bromus tectorum</i>	annual	15-20	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	R	+	flowering
<i>Carex pachystylis</i>	perennial	7-10	O	+	dried
<i>Carthamus oxyacanthus</i>	annual	30-40	O	+	flowering
<i>Carthamus tinctorius</i>	annual	30-40	A	2	Flowering, fruiting
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	50-60	F	1	fruiting
<i>Centaurea belangeriana</i>	annual, biennial	20-25	F	1	flowering
<i>Centaurea iberica</i>	biennial	30-40	F	1	flowering

<i>Centaurea virgata</i> subsp. <i>squarrosa</i>	perennial	30-40	O	+	flowering
<i>Ceratocarpus arenarius</i>	annual	20-25	R	+	fruiting
<i>Chondrilla juncea</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Chrozophora tinctoria</i>	annual	20-25	O	+	fruiting
<i>Cichorium intybus</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	Flowering, fruiting
<i>Convolvulus pseudocantabrica</i>	perennial	30-40	O	+	fruiting
<i>Cousinia microcarpa</i>	biennial	25-30	O	+	Flowering, fruiting
<i>Cousinia olgae</i>	biennial	25-30	O	+	Flowering, fruiting
<i>Cousinia radians</i>	biennial	30-40	F	+	Flowering, fruiting
<i>Cousinia resinosa</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Cullen drupaceum</i> (<i>Psoralea drupacea</i>)	perennial	40-50	R	+	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	10-15	D	3	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	O	+	fruiting
<i>Echinophora sibthorpiana</i>	biennial	30-40	O	1	flowering
<i>Echium biebersteinii</i>	biennial	30-40	O	+	fruiting
<i>Eremodaucus lehmannii</i>	annual	30-40	O	+	dried
<i>Erodium cicutarium</i>	annual	7-10	O	+	vegetation
<i>Euphorbia chamaesyce</i>	annual	5-7	O	+	Flowering, fruiting
<i>Fraxinus angustifolia</i> subsp. <i>syriaca</i>	tree	4-5 m	R	1	fruiting
<i>Galium humifusum</i>	perennial	10-15	O	+	Flowering, fruiting
<i>Galium spurium</i>	annual	30-40	O	+	dried
<i>Galium tenuissimum</i>	annual	10-15	O	+	dried
<i>Handelia trichophylla</i>	perennial	40-50	R	+	fruiting
<i>Haplophyllum acutifolium</i>	perennial	30-40	O	+	fruiting
<i>Hordeum murinum</i> subsp. <i>leporinum</i> (<i>Hordeum leporinum</i>)	annual	25-30	F	1	dried
<i>Hordeum vulgare</i>	annual	30-40	O	+	dried
<i>Marrubium anisodan</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Onopordum leptolepis</i>	biennial	50-60	R	+	Flowering, fruiting
<i>Papaver pavoninum</i>	annual	20-25	O	+	dried
<i>Parentucellia flaviflora</i>	annual	7-10	O	+	dried
<i>Peganum harmala</i>	perennial	25-30	O	+	fruiting
<i>Phleum paniculatum</i>	annual	15-20	O	+	dried
<i>Phlomis thapsoides</i>	perennial	30-40	R	+	fruiting
<i>Picnomon acarna</i>	annual	40-50	O	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	10-15	O	+	fruiting
<i>Poa bulbosa</i>	perennial	25-30	F	+	dried
<i>Prunus bucharica</i> (<i>Amygdalus bucharica</i>)	shrub	200-250	R	+	fruiting
<i>Rhaponticum repens</i> (<i>Acroptilon repens</i>)	perennial	30-40	C	1	Flowering, fruiting

<i>Roemeria refracta</i>	annual	20-25	O	+	dried
<i>Sisymbrium altissimum</i>	annual	30-40	O	+	dried
<i>Stizolophus balsamita</i>	annual	30-40	O	+	fruiting
<i>Taeniatherum caput-medusae</i>	annual	25-30	F	+	dried
<i>Trichodesma incanum</i>	perennial	25-30	O	+	Flowering, fruiting
<i>Ulmus pumila</i>	tree	5-7 m	C	3	vegetation
<i>Xanthium spinosum</i>	annual	25-30	O	+	Flowering, fruiting

Table 20: Check-list of plants recorded on sample plot 18 (40.02118° N, 67.53507° E), 360 km OTHL, Gallaral District of Dzhizak Region, forb-grass community and woodland belt along the railway, 3 km to the west of town Gallaara

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Achillea wilhelmsii</i> (<i>Achillea kermanica</i>)	perennial	20-25	O	+	fruiting
<i>Aegilops cylindrica</i>	annual	20-25	F	+	dried
<i>Aegilops triuncialis</i>	annual	20-25	F	+	dried
<i>Alhagi pseudalhagi</i>	perennial	30-40	C	2	Flowering, fruiting
<i>Astragalus filicaulis</i>	annual	10-15	O	+	dried
<i>Bromus danthoniae</i>	annual	10-15	O	+	dried
<i>Bromus tectorum</i>	annual	15-20	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	F	2	flowering
<i>Caragana halodendron</i>	shrub	100-150	O	1	fruiting
<i>Carex pachystylis</i>	perennial	7-10	O	+	dried
<i>Carthamus oxyacanthus</i>	annual	25-30	O	+	flowering
<i>Carthamus lanatus</i> subsp. <i>turkestanicus</i>	annual	30-40	O	+	fruiting
<i>Centaurea belangeriana</i>	annual, biennial	20-25	F	1	flowering
<i>Centaurea iberica</i>	biennial	30-40	F	1	flowering
<i>Centaurea virgata</i> subsp. <i>squarrosa</i>	perennial	30-40	O	+	flowering
<i>Ceratocarpus arenarius</i>	annual	15-20	O	+	fruiting
<i>Chondrilla juncea</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Chrozophora tinctoria</i>	annual	20-25	O	+	fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	Flowering, fruiting
<i>Convolvulus pseudocantabrica</i>	perennial	30-40	O	+	fruiting
<i>Cousinia microcarpa</i>	biennial	25-30	R	+	Flowering, fruiting
<i>Cousinia radians</i>	biennial	30-40	O	+	Flowering, fruiting
<i>Cousinia resinosa</i>	perennial	25-30	O	+	Flowering, fruiting
<i>Cullen drupaceum</i> (<i>Psoralea drupacea</i>)	perennial	40-50	O	+	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	10-15	O	+	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	F	+	fruiting
<i>Dodartia orientalis</i>	perennial	30-40	R	+	vegetation
<i>Echinophora sibthorpiana</i>	biennial	30-40	R	+	flowering

<i>Echium biebersteinii</i>	biennial	30-40	R	+	fruiting
<i>Eremodaucus lehmannii</i>	annual	30-40	R	+	dried
<i>Euclidium syriacum</i>	annual	15-20	O	+	dried
<i>Euphorbia chamaesyce</i>	annual	5-7	O	+	Flowering, fruiting
<i>Fraxinus angustifolia subsp. syriaca</i>	tree	3-4 m	R	1	fruiting
<i>Galium humifusum</i>	perennial	10-15	O	+	Flowering, fruiting
<i>Galium tenuissimum</i>	annual	10-15	O	+	dried
<i>Gleditsia caspica</i>	tree	4-5 m	O	1	vegetation
<i>Handelia trichophylla</i>	perennial	40-50	R	+	fruiting
<i>Haplophyllum acutifolium</i>	perennial	30-40	R	+	fruiting
<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	25-30	C	1	dried
<i>Hordeum spontaneum</i>	annual	30-40	F	1	dried
<i>Koelpinia linearis</i>	annual	12-15	O	+	dried
<i>Marrubium anisodon</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Onopordum leptolepis</i>	biennial	50-60	F	1	Flowering, fruiting
<i>Papaver pavoninum</i>	annual	15-20	O	+	dried
<i>Parentucellia flaviflora</i>	annual	7-10	O	+	dried
<i>Peganum harmala</i>	perennial	25-30	O	+	fruiting
<i>Phleum paniculatum</i>	annual	12-15	O	+	dried
<i>Phlomis thapsoides</i>	perennial	25-30	F	1	fruiting
<i>Phlomooides labiosa</i>	perennial	25-30	R	+	fruiting
<i>Picnomon acarna</i>	annual	30-40	O	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	10-15	O	+	fruiting
<i>Poa bulbosa</i>	perennial	20-25	F	+	dried
<i>Prunus armeniaca</i> (<i>Armeniaca vulgaris</i>)	tree	3-4 m	O	1	vegetation
<i>Prunus bucharica</i> (<i>Amygdalus bucharica</i>)	shrub	200-250	R	+	fruiting
<i>Rhaponticum repens</i> (<i>Acroptilon repens</i>)	perennial	30-40	O	+	Flowering, fruiting
<i>Roemeria refracta</i>	annual	15-20	O	+	dried
<i>Sisymbrium altissimum</i>	annual	25-30	F	+	dried
<i>Sophora pachycarpa</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Stizolophus balsamita</i>	annual	30-40	R	+	fruiting
<i>Strigosella africana</i>	annual	15-20	R	+	dried
<i>Taeniatherum caput-medusae</i>	annual	20-25	F	+	dried
<i>Trichodesma incanum</i>	perennial	25-30	O	+	Flowering, fruiting
<i>Ulmus pumila</i>	tree	4-5 m	F	2	vegetation
<i>Xanthium spinosum</i>	annual	25-30	R	+	Flowering, fruiting

Table 21: Check-list of plants recorded on sample plot 19 (39.98759° N, 67.5331° E), 360 km OTHL, Gallaral District of Dzhezak Region, rainfed wheat fields and boundary-strips with weedy-grass vegetation

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	

<i>Aegilops cylindrica</i>	annual	25-30	F	+	dried
<i>Aegilops triuncialis</i>	annual	25-30	F	+	dried
<i>Alhagi pseudalhagi</i>	perennial	25-30	O	+	Flowering, fruiting
<i>Astragalus filicaulis</i>	annual	15-20	O	+	dried
<i>Bromus danthoniae</i>	annual	10-15	O	+	dried
<i>Bromus scoparius</i>	annual	15-20	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	R	+	flowering
<i>Carthamus oxyacanthus</i>	annual	30-40	R	+	flowering
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	50-60	O	+	fruiting
<i>Centaurea belangeriana</i>	annual, biennial	20-25	O	+	flowering
<i>Centaurea benedicta</i>	annual	15-20	R	+	dried
<i>Centaurea depressa</i>	annual	25-30	R	+	dried
<i>Centaurea iberica</i>	biennial	30-40	O	+	flowering
<i>Centaurea solstitialis</i>	annual	30-40	O	+	flowering
<i>Centaurea virgata subsp. squarrosa</i>	perennial	30-40	R	+	flowering
<i>Ceratocarpus arenarius</i>	annual	20-25	R	+	fruiting
<i>Chardinia orientalis</i>	annual	15-20	R	+	dried
<i>Cichorium intybus</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	Flowering, fruiting
<i>Cousinia radians</i>	biennial	30-40	O	+	Flowering, fruiting
<i>Cousinia resinosa</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Cullen drupaceum (Psoralea drupacea)</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	10-15	O	+	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	O	+	fruiting
<i>Eremodaucus lehmannii</i>	annual	30-40	O	+	dried
<i>Handelia trichophylla</i>	perennial	40-50	R	+	fruiting
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	25-30	F	1	dried
<i>Hordeum vulgare</i>	annual	30-40	O	+	dried
<i>Lactuca serriola</i>	annual, biennial	50-100	O	+	Flowering, fruiting
<i>Marrubium anisodon</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Onopordum leptolepis</i>	biennial	40-50	O	+	Flowering, fruiting
<i>Papaver pavoninum</i>	annual	20-25	O	+	dried
<i>Phleum paniculatum</i>	annual	15-20	O	+	dried
<i>Picnomon acarna</i>	annual	40-50	O	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	10-15	O	+	fruiting
<i>Poa bulbosa</i>	perennial	25-30	F	+	dried
<i>Rhaponticum repens (Acroptilon repens)</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Roemeria refracta</i>	annual	20-25	O	+	dried
<i>Sisymbrium altissimum</i>	annual	30-40	O	+	dried
<i>Sophora pachycarpa</i>	perennial	30-40	O	+	Flowering, fruiting

<i>Stizolophus balsamita</i>	annual	30-40	R	+	fruiting
<i>Taeniatherum caput-medusae</i>	annual	25-30	R	+	dried
<i>Trichodesma incanum</i>	perennial	25-30	R	+	Flowering, fruiting
<i>Triticum aestivum</i>	annual	50-60	D	3	dried
<i>Turgenia latifolia</i>	annual	25-30	O	+	dried

Table 22: Check-list of plants recorded on sample plot 20 (39.9269° N, 67.50502° E), 360 km OTHL, border of Dzhizak and Samarkand Regions, eastern piedmonts of Khobduntau Range, woodland belt along the road to the village Ingichka

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Aegilops cylindrica</i>	annual	20-25	O	+	dried
<i>Aegilops triuncialis</i>	annual	20-25	O	+	dried
<i>Alhagi pseudalhagi</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Avena fatua</i>	annual	30-40	R	+	dried
<i>Bromus tectorum</i>	annual	15-20	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	R	+	flowering
<i>Capsella bursa-pastoris</i>	annual	20-25	O	+	dried
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	30-40	O	+	fruiting
<i>Centaurea belangeriana</i>	annual, biennial	20-25	R	+	flowering
<i>Centaurea iberica</i>	biennial	20-25	O	+	flowering
<i>Centaurea virgata subsp. squarrosa</i>	perennial	30-40	R	+	flowering
<i>Ceratocarpus arenarius</i>	annual	15-20	R	+	fruiting
<i>Chardinia orientalis</i>	annual	15-20	R	+	dried
<i>Chenopodium album</i>	annual	30-40	R	+	Flowering, fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	Flowering, fruiting
<i>Cousinia radians</i>	biennial	30-40	R	+	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	10-15	O	+	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	O	+	fruiting
<i>Echinophora sibthorpiana</i>	biennial	30-40	R	+	flowering
<i>Euclidium syriacum</i>	annual	15-20	R	+	dried
<i>Euphorbia chamaesyce</i>	annual	5-7	O	+	Flowering, fruiting
<i>Haplophyllum acutifolium</i>	perennial	30-40	R	+	fruiting
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	25-30	F	1	dried
<i>Lepidium draba</i>	perennial	20-25	R	+	dried
<i>Onopordum leptolepis</i>	biennial	30-40	R	+	Flowering, fruiting
<i>Phleum paniculatum</i>	annual	12-15	O	+	dried
<i>Picnomon acarna</i>	annual	30-40	O	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	10-15	O	+	fruiting
<i>Poa bulbosa</i>	perennial	20-25	C	1	dried

<i>Prunus armeniaca</i> (<i>Armeniaca vulgaris</i>)	tree	3-4 m	O	1	vegetation
<i>Rhaponticum repens</i> (<i>Acroptilon repens</i>)	perennial	30-40	O	+	Flowering, fruiting
<i>Sisymbrium altissimum</i>	annual	25-30	R	+	dried
<i>Turgenia latifolia</i>	annual	15-20	R	+	dried
<i>Ulmus pumila</i>	tree	7-8 m	A	3	vegetation
<i>Xanthium spinosum</i>	annual	20-25	R	+	Flowering, fruiting
<i>Xeranthemum longepapposum</i>	annual	15-20	O	+	dried

Table 23: Check-list of plants recorded on sample plot 21 (39.82803° N, 67.26876° E), 360 km OTHL, Bulungur District of Samarkand Region, southern piedmonts of Khobduntau Range, rainfed barley fields and fallow lands

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Aegilops cylindrica</i>	annual	20-25	F	+	dried
<i>Aegilops triuncialis</i>	annual	20-25	F	+	dried
<i>Alhagi pseudalhagi</i>	perennial	25-30	R	+	Flowering, fruiting
<i>Astragalus bactrianus</i>	subshrub	20-25	R	+	fruiting
<i>Astragalus alopecias</i>	perennial	30-40	R	+	flowering
<i>Avena fatua</i>	annual	30-40	O	+	dried
<i>Bromus scoparius</i>	annual	15-20	O	+	dried
<i>Bromus tectorum</i>	annual	15-20	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	R	+	flowering
<i>Carthamus oxyacanthus</i>	annual	25-30	O	+	flowering
<i>Carthamus lanatus</i> subsp. <i>turkestanicus</i>	annual	30-40	O	+	fruiting
<i>Centaurea belangeriana</i>	annual, biennial	20-25	O	+	flowering
<i>Centaurea iberica</i>	biennial	20-25	O	+	flowering
<i>Centaurea solstitialis</i>	annual	30-40	R	+	flowering
<i>Centaurea virgata</i> subsp. <i>squarrosa</i>	perennial	30-40	O	+	flowering
<i>Ceratocarpus arenarius</i>	annual	15-20	O	+	fruiting
<i>Cichorium intybus</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	Flowering, fruiting
<i>Convolvulus pseudocantabrica</i>	perennial	30-40	R	+	fruiting
<i>Cousinia radians</i>	biennial	25-30	O	+	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	10-15	O	+	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	O	+	fruiting
<i>Dodartia orientalis</i>	perennial	25-30	R	+	vegetation
<i>Echinophora sibthorpiana</i>	biennial	25-30	R	+	flowering
<i>Eryngium caeruleum</i>	Biennial, perennial	25-30	O	+	flowering
<i>Euclidium syriacum</i>	annual	15-20	R	+	dried
<i>Euphorbia chamaesyce</i>	annual	5-7	O	+	Flowering, fruiting
<i>Haplophyllum acutifolium</i>	perennial	30-40	R	+	fruiting
<i>Haplophyllum versicolor</i>	perennial	15-20	O	+	fruiting

<i>Heliotropium ellipticum</i>	annual	15-20	R	+	Flowering, fruiting
<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	25-30	O	+	dried
<i>Hordeum vulgare</i>	annual	40-50	A	3	dried
<i>Onopordum leptolepis</i>	biennial	30-40	R	+	Flowering, fruiting
<i>Papaver pavoninum</i>	annual	20-25	O	+	dried
<i>Phleum paniculatum</i>	annual	12-15	R	+	dried
<i>Picnomon acarna</i>	annual	30-40	O	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	10-15	O	+	fruiting
<i>Poa bulbosa</i>	perennial	20-25	C	1	dried
<i>Rhaponticum repens</i> (<i>Acroptilon repens</i>)	perennial	30-40	R	+	Flowering, fruiting
<i>Roemeria refracta</i>	annual	20-25	O	+	dried
<i>Salvia spinosa</i>	perennial	25-30	R	+	fruiting
<i>Sisymbrium altissimum</i>	annual	25-30	R	+	dried
<i>Sophora pachycarpa</i>	perennial	20-25	R	+	Flowering, fruiting
<i>Stizolophus balsamita</i>	annual	30-40	R	+	fruiting
<i>Turgenia latifolia</i>	annual	15-20	R	+	dried
<i>Xanthium spinosum</i>	annual	20-25	R	+	Flowering, fruiting

Table 24: Check-list of plants recorded on sample plot 22 (39.83778° N, 67.21814° E), 360 km OTHL, Bulungur District of Samarkand Region, southern piedmonts of Khobduntau Range, fallow land with camel thorn-caper-ephemeroid vegetation among apple gardens

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Aegilops triuncialis</i>	annual	20-25	O	+	dried
<i>Alhagi pseudalhagi</i>	perennial	20-25	F	1	Flowering, fruiting
<i>Astragalus filicaulis</i>	annual	10-15	O	+	dried
<i>Bromus danthoniae</i>	annual	10-15	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	C	2	flowering
<i>Carex pachystylis</i>	perennial	7-10	F	1	dried
<i>Carthamus oxyacanthus</i>	annual	25-30	O	+	flowering
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	30-40	O	+	fruiting
<i>Centaurea belangeriana</i>	annual, biennial	20-25	R	+	flowering
<i>Centaurea iberica</i>	biennial	20-25	O	+	flowering
<i>Ceratocarpus arenarius</i>	annual	15-20	R	+	fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	Flowering, fruiting
<i>Cousinia microcarpa</i>	biennial	25-30	O	+	Flowering, fruiting
<i>Cousinia radians</i>	biennial	25-30	R	+	Flowering, fruiting
<i>Cousinia resinosa</i>	perennial	25-30	O	+	Flowering, fruiting

<i>Cullen drupaceum</i> (<i>Psoralea drupacea</i>)	perennial	30-40	R	+	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	10-15	C	1	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	O	+	fruiting
<i>Dodartia orientalis</i>	perennial	30-40	R	+	vegetation
<i>Eryngium caeruleum</i>	Biennial, perennial	25-30	O	+	flowering
<i>Euphorbia chamaesyce</i>	annual	5-7	O	+	Flowering, fruiting
<i>Haplophyllum acutifolium</i>	perennial	25-30	R	+	fruiting
<i>Hordeum murinum</i> subsp. <i>leporinum</i> (<i>Hordeum leporinum</i>)	annual	25-30	O	+	dried
<i>Koelpinia linearis</i>	annual	12-15	O	+	dried
<i>Onopordum leptolepis</i>	biennial	30-40	F	1	Flowering, fruiting
<i>Papaver pavoninum</i>	annual	15-20	R	+	dried
<i>Phleum paniculatum</i>	annual	12-15	R	+	dried
<i>Picnomon acarna</i>	annual	30-40	O	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	10-15	O	+	fruiting
<i>Poa bulbosa</i>	perennial	20-25	F	+	dried
<i>Sisymbrium altissimum</i>	annual	25-30	O	+	dried
<i>Sophora pachycarpa</i>	perennial	20-25	R	+	Flowering, fruiting

Table 25: Check-list of plants recorded on sample plot 23 (39.85665° N, 67.15567° E), 360 km OTHL, Dzhambay District of Samarkand Region, southern piedmonts of Khobduntau Range, dry ravine with ruderal vegetation among apple gardens and fallow lands

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Achillea wilhelmsii</i> (<i>Achillea kermanica</i>)	perennial	20-25	R	+	fruiting
<i>Aegilops triuncialis</i>	annual	20-25	F	+	dried
<i>Alhagi pseudalhagi</i>	perennial	30-40	F	1	Flowering, fruiting
<i>Alyssum desertorum</i>	annual	5-7	O	+	dried
<i>Artemisia sogdiana</i>	subshrub	25-30	O	1	vegetation
<i>Astragalus bactrianus</i>	subshrub	20-25	R	+	fruiting
<i>Astragalus filicaulis</i>	annual	10-15	O	+	dried
<i>Avena fatua</i>	annual	30-40	O	+	dried
<i>Bromus danthoniae</i>	annual	10-15	O	+	dried
<i>Bromus scoparius</i>	annual	15-20	O	+	dried
<i>Bromus tectorum</i>	annual	15-20	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	F	1	flowering
<i>Carex pachystylis</i>	perennial	7-10	O	+	dried
<i>Carthamus oxyacanthus</i>	annual	25-30	F	1	flowering
<i>Carthamus lanatus</i> subsp. <i>turkestanicus</i>	annual	30-40	O	+	fruiting
<i>Centaurea belangeriana</i>	annual, biennial	20-25	F	1	flowering
<i>Centaurea iberica</i>	biennial	30-40	F	1	flowering
<i>Centaurea solstitialis</i>	annual	20-25	F	1	flowering

<i>Centaurea virgata subsp. squarrosa</i>	perennial	30-40	O	+	flowering
<i>Ceratocarpus arenarius</i>	annual	15-20	O	+	fruiting
<i>Chrozophora tinctoria</i>	annual	20-25	R	+	fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	Flowering, fruiting
<i>Cousinia microcarpa</i>	biennial	25-30	O	+	Flowering, fruiting
<i>Cousinia radians</i>	biennial	30-40	O	+	Flowering, fruiting
<i>Cousinia resinosa</i>	perennial	25-30	O	+	Flowering, fruiting
<i>Cullen drupaceum (Psoralea drupacea)</i>	perennial	40-50	F	1	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	10-15	F	1	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	F	+	fruiting
<i>Echium biebersteinii</i>	biennial	30-40	O	+	fruiting
<i>Eremopyrum bonaepartis</i>	annual	7-10	R	+	dried
<i>Eryngium caeruleum</i>	Biennial, perennial	25-30	O	+	flowering
<i>Euphorbia chamaesyce</i>	annual	5-7	O	+	Flowering, fruiting
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	25-30	F	1	dried
<i>Marrubium anisodon</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Onopordum leptolepis</i>	biennial	50-60	O	1	Flowering, fruiting
<i>Papaver pavoninum</i>	annual	15-20	O	+	dried
<i>Peganum harmala</i>	perennial	25-30	R	+	fruiting
<i>Phleum paniculatum</i>	annual	12-15	O	+	dried
<i>Picnomon acarna</i>	annual	30-40	O	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	10-15	O	+	fruiting
<i>Poa bulbosa</i>	perennial	20-25	C	1	dried
<i>Sisymbrium altissimum</i>	annual	25-30	F	+	dried
<i>Sophora pachycarpa</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Trichodesma incanum</i>	perennial	25-30	R	+	Flowering, fruiting
<i>Xanthium spinosum</i>	annual	25-30	R	+	Flowering, fruiting

Table 26: Check-list of plants recorded on sample plot 24 (39.87971° N, 66.98251° E), 360 km OTHL, Dzhambay District of Samarkand Region, small irrigated cotton, alfalfa and corn fields, vineyards and market gardens, between the village Dauchar and canal Payaryk

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	30-40	F	1	Flowering, fruiting
<i>Artemisia ferganensis</i>	perennial	30-40	F	1	vegetation
<i>Artemisia tournefortiana</i>	annual	70-100	O	+	Flowering, fruiting

<i>Avena fatua</i>	annual	40-50	F	+	dried
<i>Bromus scoparius</i>	annual	20-30	O	+	dried
<i>Bromus tectorum</i>	annual	15-20	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	50-70	F	1	fruiting
<i>Centaurea iberica</i>	biennial	20-30	O	+	Flowering, fruiting
<i>Centaurea solstitialis</i>	annual	20-25	O	+	flowering
<i>Chenopodium album</i>	annual	50-70	O	+	Flowering, fruiting
<i>Cichorium intybus</i>	perennial	30-40	F	+	flowering
<i>Cirsium vulgare</i>	biennial	70-100	O	+	Flowering, fruiting
<i>Clematis orientalis</i>	Perennial, liana	100-150	R	+	Flowering, fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	15-20	F	+	flowering
<i>Cynanchum acutum ssp. sibiricum</i>	Perennial, liana	100-150	R	+	flowering
<i>Cynodon dactylon</i>	perennial	15-20	F	1	Flowering, fruiting
<i>Dactylis glomerata</i>	perennial	40-50	R	+	fruiting
<i>Daucus carota</i>	biennial	30-40	O	+	Flowering, fruiting
<i>Echinochloa crus-galli</i>	annual	50-70	R	+	fruiting
<i>Elymus repens</i>	perennial	30-40	O	+	fruiting
<i>Erigeron canadensis</i>	annual	40-50	O	+	Flowering, fruiting
<i>Eryngium caeruleum</i>	Biennial, perennial	30-40	O	+	flowering
<i>Fallopia convolvulus</i>	Annual, liana	70-100	O	+	Flowering, fruiting
<i>Galium humifusum</i>	perennial	25-30	O	+	Flowering, fruiting
<i>Glycyrrhiza glabra</i>	perennial	100-150	F	2	Flowering, fruiting
<i>Gossypium hirsutum</i>	Perennial (annual in culture)	30-40	D	4	Vegetation, flowering
<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	25-30	F	1	dried
<i>Lactuca serriola</i>	annual, biennial	50-100	O	+	Flowering, fruiting
<i>Lepidium draba</i>	perennial	25-30	O	+	fruiting
<i>Lepidium latifolium</i>	perennial	40-50	O	+	fruiting
<i>Lindelofia macrostyla</i>	perennial	40-50	R	+	Flowering, fruiting
<i>Marrubium anisodon</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Medicago sativa</i>	perennial	30-40	D	4	Flowering, fruiting
<i>Mentha longifolia var. asiatica</i>	perennial	50-100	O	+	flowering
<i>Morus alba</i>	tree	250-300	R	1	vegetation

<i>Persicaria minor</i>	annual	25-40	O	+	Flowering, fruiting
<i>Phragmites australis</i>	perennial	100-150	O	1	Flowering, fruiting
<i>Picnoman acarna</i>	annual	40-50	O	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	15-25	O	+	Flowering, fruiting
<i>Plantago major</i>	perennial	15-25	O	+	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	25-30	O	+	dried
<i>Polygonum aviculare</i>	Annual, perennial	15-20	O	+	Flowering, fruiting
<i>Populus afghanica</i>	tree	4-5 m	O	2	vegetation
<i>Rhaponticum repens (Acroptilon repens)</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Setaria viridis</i>	annual	20-25	O	+	Flowering, fruiting
<i>Sisymbrium altissimum</i>	annual	30-40	F	+	dried
<i>Sonchus palustris</i>	perennial	50-70	R	+	Flowering, fruiting
<i>Sophora alopecuroides</i>	perennial	30-40	O	+	fruiting
<i>Typha angustifolia</i>	perennial	100-150	F	1	fruiting
<i>Verbena officinalis</i>	perennial	30-40	O	+	Flowering
<i>Xanthium spinosum</i>	annual	25-30	O	+	Flowering, fruiting
<i>Xanthium strumarium</i>	annual	25-30	F	1	Flowering, fruiting

Table 27: Check-list of plants recorded on sample plot 25 (39.83927° N, 66.9548° E), 360 km OTHL, Payaryk District of Samarkand Region, irrigated cotton fields, boundary strips and woodland belts near the village Bakalchak

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Althaea armeniaca</i>	perennial	30-40	R	+	Flowering
<i>Artemisia tournefortiana</i>	annual	70-100	O	+	Flowering, fruiting
<i>Artemisia vulgaris</i>	perennial	50-70	O	+	vegetation
<i>Calystegia sepium</i>	Perennial, liana	100-150	R	+	flowering
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	50-70	O	+	Flowering, fruiting
<i>Centaurea iberica</i>	biennial	20-30	O	+	Flowering, fruiting
<i>Cichorium intybus</i>	perennial	30-40	F	+	flowering
<i>Cirsium vulgare</i>	biennial	70-100	O	+	Flowering, fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	15-20	F	+	flowering
<i>Cynodon dactylon</i>	perennial	15-20	C	2	Flowering, fruiting
<i>Daucus carota</i>	biennial	30-40	O	+	Flowering, fruiting

<i>Echinochloa crus-galli</i>	annual	50-70	R	+	fruiting
<i>Elymus repens</i>	perennial	30-40	O	+	fruiting
<i>Fallopia convolvulus</i>	Annual, liana	70-100	O	+	Flowering, fruiting
<i>Galium humifusum</i>	perennial	25-30	O	+	Flowering, fruiting
<i>Glycyrrhiza glabra</i>	perennial	100-150	F	1	Flowering, fruiting
<i>Gossypium hirsutum</i>	Perennial (annual in culture)	30-40	D	4	Vegetation, flowering
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	30-40	O	+	dried
<i>Lactuca serriola</i>	annual, biennial	50-100	O	+	Flowering, fruiting
<i>Lepidium draba</i>	perennial	25-30	O	+	fruiting
<i>Malva neglecta</i>	Annual, perennial	10-15	O	+	Flowering
<i>Medicago sativa</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Mentha longifolia var. asiatica</i>	perennial	50-100	F	1	flowering
<i>Morus alba</i>	tree	250-300	C	3	vegetation
<i>Persicaria minor</i>	annual	30-40	F	1	Flowering, fruiting
<i>Phragmites australis</i>	perennial	50-70	R	+	vegetation
<i>Picnemon acarna</i>	annual	40-50	O	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	15-25	F	1	Flowering, fruiting
<i>Plantago major</i>	perennial	15-25	F	1	Flowering, fruiting
<i>Poa trivialis</i>	perennial	30-40	O	+	fruiting
<i>Polygonum aviculare</i>	Annual, perennial	15-20	O	+	Flowering, fruiting
<i>Populus alba</i>	tree	5-7 m	C	3	vegetation
<i>Rhaponticum repens (Acroptilon repens)</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Rosa canina</i>	shrub	150-170	R	1	fruiting
<i>Setaria viridis</i>	annual	15-25	O	+	Flowering, fruiting
<i>Sisymbrium altissimum</i>	annual	40-50	O	+	fruiting
<i>Sisymbrium loeselii</i>	Annual, biennial	40-50	O	+	Flowering, fruiting
<i>Sium sisarum</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Sophora alopecuroides</i>	perennial	30-40	O	+	fruiting
<i>Trifolium repens</i>	perennial	10-15	O	+	Flowering, fruiting
<i>Verbena officinalis</i>	perennial	30-40	O	+	Flowering
<i>Xanthium spinosum</i>	annual	25-30	R	+	Flowering, fruiting
<i>Xanthium strumarium</i>	annual	25-30	O	+	Flowering, fruiting

Table 28: Check-list of plants recorded on sample plot 26 (39.82998° N, 66.88828° E), 360 km OTHL, Payaryk District of Samarkand Region, weedy vegetation on the floodplain terrace on the right bank of the river Akdarya (right branch of the river Zeravshan) among irrigated cotton and wheat fields, market gardens and woodland belts

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	40-50	C	2	Flowering, fruiting
<i>Amaranthus retroflexus</i>	annual	30-40	O	+	Flowering, fruiting
<i>Artemisia ferganensis</i>	perennial	30-40	O	+	vegetation
<i>Artemisia tournefortiana</i>	annual	70-100	O	+	Flowering, fruiting
<i>Artemisia vulgaris</i>	perennial	50-70	O	+	vegetation
<i>Calystegia sepium</i>	Perennial, liana	100-150	R	+	flowering
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	50-70	F	1	Flowering, fruiting
<i>Centaurea iberica</i>	biennial	30-40	F	1	Flowering, fruiting
<i>Centaurea solstitialis</i>	annual	30-40	F	1	flowering
<i>Chenopodium album</i>	annual	50-70	O	+	Flowering, fruiting
<i>Cichorium intybus</i>	perennial	30-40	F	+	flowering
<i>Cirsium vulgare</i>	biennial	70-100	F	1	Flowering, fruiting
<i>Clematis orientalis</i>	Perennial, liana	100-150	O	+	Flowering, fruiting
<i>Conium maculatum</i>	annual, biennial	150-180	O	+	fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	15-20	F	+	flowering
<i>Crataegus turkestanica</i>	shrub	250-300	R	1	fruiting
<i>Cynodon dactylon</i>	perennial	15-20	C	2	Flowering, fruiting
<i>Cyperus rotundus</i>	perennial	25-30	R	+	Flowering, fruiting
<i>Datura stramonium</i>	annual	70-100	R	+	Flowering, fruiting
<i>Daucus carota</i>	biennial	30-40	O	+	Flowering, fruiting
<i>Echinochloa crus-galli</i>	annual	50-70	O	+	fruiting
<i>Elaeagnus andustifolia</i>	tree	250-300	R	1	fruiting
<i>Elymus repens</i>	perennial	30-40	F	1	fruiting
<i>Erigeron canadensis</i>	annual	40-50	O	+	Flowering, fruiting
<i>Eryngium caeruleum</i>	Biennial, perennial	30-40	R	+	flowering
<i>Fallopia convolvulus</i>	Annual, liana	70-100	O	+	Flowering, fruiting
<i>Galium humifusum</i>	perennial	25-30	O	+	Flowering, fruiting
<i>Galium spurium</i>	annual	50-70	O	+	fruiting
<i>Glycyrrhiza glabra</i>	perennial	100-150	F	1	Flowering, fruiting
<i>Gypsophila vaccaria</i>	annual	30-40	R	+	dried

<i>Handelia trichophylla</i>	perennial	50-70	R	+	fruiting
<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	30-40	F	1	dried
<i>Lactuca serriola</i>	annual, biennial	50-100	F	+	Flowering, fruiting
<i>Lepidium draba</i>	perennial	25-30	O	+	fruiting
<i>Malva neglecta</i>	Annual, perennial	10-15	O	+	Flowering
<i>Medicago sativa</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Mentha longifolia var. asiatica</i>	perennial	50-100	O	+	flowering
<i>Morus alba</i>	tree	250-300	O	1	vegetation
<i>Paspalum distichum</i>	perennial	15-25	F	1	flowering
<i>Persicaria minor</i>	annual	30-40	O	+	Flowering, fruiting
<i>Picnomon acarna</i>	annual	40-50	O	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	15-25	F	1	Flowering, fruiting
<i>Plantago major</i>	perennial	15-25	F	1	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	25-30	F	+	dried
<i>Polygonum aviculare</i>	Annual, perennial	15-20	O	+	Flowering, fruiting
<i>Rhaponticum repens</i> (<i>Acroptilon repens</i>)	perennial	30-40	F	1	Flowering, fruiting
<i>Setaria viridis</i>	annual	15-25	O	+	Flowering, fruiting
<i>Sisymbrium altissimum</i>	annual	40-50	F	+	fruiting
<i>Sisymbrium loeselii</i>	Annual, biennial	40-50	F	+	Flowering, fruiting
<i>Solanum nigrum</i>	annual	25-30	R	+	Flowering, fruiting
<i>Sophora alopecuroides</i>	perennial	30-40	O	+	fruiting
<i>Sorghum halepense</i>	perennial	40-50	O	+	Flowering, fruiting
<i>Trifolium fragiferum</i>	perennial	10-12	O	+	Flowering, fruiting
<i>Trifolium repens</i>	perennial	10-15	O	+	Flowering, fruiting
<i>Verbascum blattaria</i>	biennial	30-40	R	+	Flowering, fruiting
<i>Verbena officinalis</i>	perennial	30-40	O	+	Flowering
<i>Xanthium spinosum</i>	annual	30-40	O	+	Flowering, fruiting
<i>Xanthium strumarium</i>	annual	30-40	F	1	Flowering, fruiting

Table 29: Check-list of plants recorded on sample plot 27 (39.77631° N, 66.7911° E), 360 km OTHL, Pastdargom District of Samarkand Region, riparian vegetation on the floodplain on the left bank of the river Karadarya (left branch of the river Zeravshan)

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun- Blanquet	
<i>Aeluropus littoralis</i>	perennial	15-20	F	1	fruiting

<i>Alhagi pseudalhagi</i>	perennial	40-50	O	1	Flowering, fruiting
<i>Amaranthus retroflexus</i>	annual	25-30	R	+	Flowering, fruiting
<i>Artemisia tournefortiana</i>	annual	50-100	R	+	Flowering, fruiting
<i>Calamagrostis pseudophragmites</i>	perennial	40-50	O	+	fruiting
<i>Capsella bursa-pastoris</i>	annual	25-30	O	+	fruiting
<i>Caragana halodendron</i>	shrub	150-180	F	2	fruiting
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	50-100	O	+	Flowering, fruiting
<i>Centaurea iberica</i>	biennial	20-30	R	+	Flowering, fruiting
<i>Chenopodium album</i>	annual	50-70	R	+	Flowering, fruiting
<i>Cichorium intybus</i>	perennial	30-40	O	+	flowering
<i>Cirsium vulgare</i>	biennial	50-100	F	+	Flowering, fruiting
<i>Conium maculatum</i>	annual, biennial	150-180	R	+	fruiting
<i>Cynanchum acutum ssp. sibiricum</i>	Perennial, liana	100-150	F	1	flowering
<i>Cynodon dactylon</i>	perennial	15-20	C	2	Flowering, fruiting
<i>Cyperus rotundus</i>	perennial	25-30	F	1	Flowering, fruiting
<i>Datura stramonium</i>	annual	70-100	R	+	Flowering, fruiting
<i>Daucus carota</i>	biennial	30-40	R	+	Flowering, fruiting
<i>Descurainia sophia</i>	annual	25-30	F	+	dried
<i>Dipsacus laciniatus</i>	biennial	100-150	R	+	Flowering, fruiting
<i>Elaeagnus andustifolia</i>	tree	300-400	F	2	fruiting
<i>Eleocharis quinqueflora</i>	perennial	25-30	O	+	fruiting
<i>Epilobium hirsutum</i>	perennial	50-100	O	+	Flowering, fruiting
<i>Equisetum arvense</i>	perennial	30-40	O	+	vegetation
<i>Fallopia convolvulus</i>	Annual, liana	100-150	F	+	Flowering, fruiting
<i>Glycyrrhiza glabra</i>	perennial	50-100	A	3	Flowering, fruiting
<i>Heliotropium ellipticum</i>	annual	25-30	R	+	Flowering, fruiting
<i>Hippophae rhamnoides</i>	shrub	200-300	C	3	fruiting
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	25-35	O	+	dried
<i>Karelinia caspia</i>	perennial	50-100	F	1	Flowering, fruiting
<i>Lactuca serriola</i>	annual, biennial	50-100	O	+	Flowering, fruiting
<i>Lepidium draba</i>	perennial	25-30	O	+	fruiting
<i>Lotus krylovii</i>	perennial	15-20	O	+	Flowering, fruiting
<i>Lycium dasystemum</i>	shrub	100-150	R	+	Flowering, fruiting

<i>Lycopus europaeus</i>	perennial	40-50	R	+	Flowering, fruiting
<i>Malva sylvestris</i>	biennial, perennial	15-20	R	+	Flowering
<i>Mentha longifolia var. asiatica</i>	perennial	50-100	O	+	flowering
<i>Paspalum distichum</i>	perennial	15-25	A	3	flowering
<i>Phragmites australis</i>	perennial	70-100	O	1	Flowering, fruiting
<i>Persicaria hydropiper</i>	annual	50-70	O	+	Flowering, fruiting
<i>Persicaria minor</i>	annual	30-40	O	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	15-25	F	1	Flowering, fruiting
<i>Plantago major</i>	perennial	15-25	F	1	Flowering, fruiting
<i>Poacynum scabrum (Trachomitum scabrum)</i>	Perennial, liana	100-150	O	+	flowering
<i>Polygonum argyrocoleon</i>	annual	25-30	O	+	Flowering, fruiting
<i>Polygonum aviculare</i>	Annual, perennial	15-20	R	+	Flowering, fruiting
<i>Puccinellia distans</i>	perennial	30-40	O	+	fruiting
<i>Rumex conglomeratus</i>	perennial	50-70	R	+	fruiting
<i>Rhaponticum repens (Acroptilon repens)</i>	perennial	40-50	R	+	Flowering, fruiting
<i>Rubus caesius</i>	shrub	100-150	O	1	Flowering, fruiting
<i>Salix wilhelmsiana</i>	shrub	200-250	R	+	fruiting
<i>Setaria viridis</i>	annual	15-25	F	+	Flowering, fruiting
<i>Sonchus oleraceus</i>	annual	25-30	R	+	Flowering, fruiting
<i>Sonchus palustris</i>	perennial	70-100	O	+	Flowering, fruiting
<i>Sophora alopecuroides</i>	perennial	30-40	O	+	fruiting
<i>Tamarix ramosissima</i>	shrub	200-250	C	3	flowering
<i>Tribulus terrestris</i>	annual	20-30	R	+	Flowering, fruiting
<i>Trifolium fragiferum</i>	perennial	10-12	F	1	Flowering, fruiting
<i>Trifolium repens</i>	perennial	10-15	F	1	Flowering, fruiting
<i>Tripidium ravennae (Erianthus ravennae)</i>	perennial	200-220	O	1	Flowering, fruiting
<i>Typha angustifolia</i>	perennial	150-200	F	2	vegetation
<i>Typha laxmannii</i>	perennial	100-150	O	+	fruiting
<i>Vulpia ciliata</i>	annual	15-20	O	+	dried
<i>Xanthium spinosum</i>	annual	30-40	R	+	Flowering, fruiting
<i>Xanthium strumarium</i>	annual	30-40	R	+	Flowering, fruiting

Table 30: Check-list of plants recorded on sample plot 28 (39.75687° N, 66.74248° E), 360 km OTHL, Pastdargom District of Samarkand Region, forb-grass-camel thorn vegetation among vineyards on the terrace of the right bank of canal Dargom

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Achillea wilhelmsii</i> (<i>Achillea kermanica</i>)	perennial	20-25	O	+	fruiting
<i>Aegilops cylindrica</i>	annual	25-30	F	+	dried
<i>Aegilops triuncialis</i>	annual	25-30	F	+	dried
<i>Alhagi pseudalhagi</i>	perennial	30-40	C	2	Flowering, fruiting
<i>Alyssum desertorum</i>	annual	5-7	O	+	dried
<i>Artemisia sogdiana</i>	subshrub	30-40	O	1	vegetation
<i>Astragalus filicaulis</i>	annual	10-15	O	+	dried
<i>Avena fatua</i>	annual	30-40	O	+	dried
<i>Bromus danthoniae</i>	annual	10-15	R	+	dried
<i>Bromus scoparius</i>	annual	15-20	O	+	dried
<i>Bromus tectorum</i>	annual	15-20	F	+	dried
<i>Calamagrostis pseudophragmites</i>	perennial	40-50	O	+	fruiting
<i>Capparis spinosa</i>	perennial	30-40	F	1	flowering
<i>Caragana halodendron</i>	shrub	100-150	O	1	fruiting
<i>Carex pachystylis</i>	perennial	7-10	O	+	dried
<i>Carthamus oxyacanthus</i>	annual	25-30	F	1	flowering
<i>Carthamus lanatus</i> subsp. <i>turkestanicus</i>	annual	30-40	O	+	fruiting
<i>Centaurea belangeriana</i>	annual, biennial	20-25	F	1	flowering
<i>Centaurea benedicta</i>	annual	20-25	R	+	dried
<i>Centaurea iberica</i>	biennial	30-40	F	1	flowering
<i>Centaurea solstitialis</i>	annual	20-25	O	+	flowering
<i>Centaurea virgata</i> subsp. <i>squarrosa</i>	perennial	30-40	O	+	flowering
<i>Ceratocarpus arenarius</i>	annual	15-20	R	+	fruiting
<i>Chondrilla juncea</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Chrozophora tinctoria</i>	annual	20-25	R	+	fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	Flowering, fruiting
<i>Cousinia microcarpa</i>	biennial	25-30	O	+	Flowering, fruiting
<i>Cousinia radians</i>	biennial	30-40	O	+	Flowering, fruiting
<i>Cousinia resinosa</i>	perennial	25-30	O	+	Flowering, fruiting
<i>Cullen drupaceum</i> (<i>Psoralea drupacea</i>)	perennial	40-50	R	+	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	10-15	F	1	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	F	+	fruiting
<i>Echium biebersteinii</i>	biennial	30-40	R	+	fruiting
<i>Elaeagnus andustifolia</i>	tree	300-400	O	1	fruiting
<i>Eremopyrum bonaepartis</i>	annual	7-10	O	+	dried
<i>Eryngium caeruleum</i>	Biennial, perennial	30-40	O	+	flowering

<i>Euphorbia chamaesyce</i>	annual	5-7	O	+	Flowering, fruiting
<i>Glycyrrhiza glabra</i>	perennial	50-100	O	1	Flowering, fruiting
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	25-30	F	1	dried
<i>Hordeum vulgare</i>	annual	30-40	O	+	dried
<i>Malva neglecta</i>	Annual, perennial	10-15	O	+	Flowering
<i>Marrubium anisodon</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Morus alba</i>	tree	250-300	O	1	vegetation
<i>Onopordum leptolepis</i>	biennial	50-60	O	1	Flowering, fruiting
<i>Papaver pavoninum</i>	annual	15-20	O	+	dried
<i>Peganum harmala</i>	perennial	25-30	R	+	fruiting
<i>Phleum paniculatum</i>	annual	12-15	O	+	dried
<i>Picnomon acarna</i>	annual	30-40	O	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	10-15	O	+	fruiting
<i>Poa bulbosa</i>	perennial	20-25	F	+	dried
<i>Ranunculus pinnatisectus</i>	perennial	12-15	R	+	dried
<i>Rhaponticum repens (Acroptilon repens)</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Rubus sanctus</i>	shrub	150-180	R	1	Flowering, fruiting
<i>Silene conica</i>	annual	12-15	O	+	dried
<i>Sisymbrium altissimum</i>	annual	30-40	O	+	dried
<i>Sophora pachycarpa</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Sphaerophysa salsula</i>	perennial	30-40	R	+	fruiting
<i>Tamarix ramosissima</i>	shrub	100-200	O	1	flowering
<i>Trichodesma incanum</i>	perennial	25-30	R	+	Flowering, fruiting
<i>Triplidium ravennae (Erianthus ravennae)</i>	perennial	180-200	R	+	Flowering, fruiting
<i>Ulmus pumila</i>	tree	3-5 m	O	1	vegetation
<i>Vitis vinifera</i>	shrub, liana	100-180	A	3	vegetation
<i>Xanthium spinosum</i>	annual	25-30	O	+	Flowering, fruiting

Table 31: Check-list of plants recorded on sample plot 29 (39.77313° N, 66.69923° E), 360 km OTHL, Pastdargom District of Samarkand Region, wetlands and clayey slopes of ravine between canals Dargom and Durmansay

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Aegilops cylindrica</i>	annual	25-30	O	+	dried
<i>Aegilops triuncialis</i>	annual	25-30	O	+	dried
<i>Agrimonia eupatoria subsp. asiatica</i>	annual, biennial	30-40	R	+	Flowering, fruiting
<i>Ailanthus altissima</i>	tree	6-7 m	O	2	vegetation
<i>Alhagi pseudalhagi</i>	perennial	30-40	A	3	Flowering, fruiting
<i>Alyssum desertorum</i>	annual	5-7	O	+	dried

<i>Artemisia sogdiana</i>	subshrub	30-40	O	1	vegetation
<i>Artemisia tournefortiana</i>	annual	50-100	R	+	Flowering, fruiting
<i>Astragalus filicaulis</i>	annual	15-20	F	+	dried
<i>Avena fatua</i>	annual	30-40	O	+	dried
<i>Bromus danthoniae</i>	annual	10-15	R	+	dried
<i>Bromus scoparius</i>	annual	15-20	O	+	dried
<i>Bromus tectorum</i>	annual	15-20	F	+	dried
<i>Capparis spinosa</i>	perennial	30-40	F	1	flowering
<i>Caragana halodendron</i>	shrub	100-150	R	+	fruiting
<i>Carex pachystylis</i>	perennial	7-10	O	+	dried
<i>Carthamus oxyacanthus</i>	annual	30-40	F	1	flowering
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	40-50	O	+	fruiting
<i>Centaurea belangeriana</i>	annual, biennial	25-30	F	1	flowering
<i>Centaurea iberica</i>	biennial	30-40	F	1	flowering
<i>Centaurea solstitialis</i>	annual	20-25	O	+	flowering
<i>Centaurea virgata subsp. squarrosa</i>	perennial	30-40	O	+	flowering
<i>Ceratocarpus arenarius</i>	annual	15-20	R	+	fruiting
<i>Chondrilla juncea</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Chrozophora tinctoria</i>	annual	20-25	R	+	fruiting
<i>Clematis orientalis</i>	Perennial, liana	100-150	R	+	Flowering, fruiting
<i>Conium maculatum</i>	annual, biennial	100-150	R	+	Flowering, fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	Flowering, fruiting
<i>Cousinia microcarpa</i>	biennial	25-30	O	+	Flowering, fruiting
<i>Cousinia radians</i>	biennial	30-40	O	+	Flowering, fruiting
<i>Cousinia resinosa</i>	perennial	25-30	O	+	Flowering, fruiting
<i>Cullen drupaceum (Psoralea drupacea)</i>	perennial	40-50	R	+	Flowering, fruiting
<i>Cynanchum acutum ssp. sibiricum</i>	Perennial, liana	100-150	O	+	flowering
<i>Cynodon dactylon</i>	perennial	10-15	F	1	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	F	+	fruiting
<i>Echium biebersteinii</i>	biennial	30-40	R	+	fruiting
<i>Eremodaucus lehmannii</i>	annual	30-40	O	+	dried
<i>Eryngium caeruleum</i>	Biennial, perennial	30-40	O	+	flowering
<i>Euphorbia chamaesyce</i>	annual	5-7	O	+	Flowering, fruiting
<i>Galium humifusum</i>	perennial	25-30	O	+	Flowering, fruiting
<i>Glycyrrhiza glabra</i>	perennial	50-100	O	1	Flowering, fruiting
<i>Halocharis hispida</i>	annual	20-25	F	1	vegetation
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	25-30	A	2	dried
<i>Hordeum spontaneum</i>	annual	50-100	O	+	dried

<i>Lactuca serriola</i>	annual, biennial	50-70	O	+	Flowering, fruiting
<i>Lepidium draba</i>	perennial	25-30	O	+	fruiting
<i>Lycopus europaeus</i>	perennial	40-50	R	+	Flowering, fruiting
<i>Malva neglecta</i>	Annual, perennial	10-15	O	+	Flowering
<i>Marrubium anisodon</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Medicago sativa</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Mentha longifolia var. asiatica</i>	perennial	50-100	O	+	flowering
<i>Morus alba</i>	tree	250-300	O	1	vegetation
<i>Onopordum leptolepis</i>	biennial	70-100	O	1	Flowering, fruiting
<i>Papaver pavoninum</i>	annual	15-20	O	+	dried
<i>Paspalum distichum</i>	perennial	15-25	F	1	flowering
<i>Peganum harmala</i>	perennial	25-30	R	+	fruiting
<i>Persicaria maculosa</i>	annual	20-25	O	+	Flowering, fruiting
<i>Phleum paniculatum</i>	annual	12-15	O	+	dried
<i>Picnomon acarna</i>	annual	30-40	O	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	10-15	O	+	fruiting
<i>Plantago major</i>	perennial	15-25	F	1	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	20-25	F	+	dried
<i>Poacynum scabrum (Trachomitum scabrum)</i>	Perennial, liana	100-150	R	+	flowering
<i>Populus afghanica</i>	tree	6-7 m	O	2	vegetation
<i>Populus alba</i>	tree	6-7 m	O	2	vegetation
<i>Ranunculus sardous</i>	annual	15-25	O	+	Flowering, fruiting
<i>Rhaponticum repens (Acroptilon repens)</i>	perennial	30-40	F	1	Flowering, fruiting
<i>Rubus caesius</i>	shrub	100-150	O	1	Flowering, fruiting
<i>Setaria viridis</i>	annual	15-25	F	+	Flowering, fruiting
<i>Silene conica</i>	annual	12-15	O	+	dried
<i>Sisymbrium altissimum</i>	annual	30-40	O	+	dried
<i>Solenanthus turkestanicus</i>	perennial	15-20	R	+	fruiting
<i>Sonchus oleraceus</i>	annual	25-30	R	+	Flowering, fruiting
<i>Sophora alopecuroides</i>	perennial	30-40	O	+	fruiting
<i>Sophora pachycarpa</i>	perennial	30-40	F	1	Flowering, fruiting
<i>Trichodesma incanum</i>	perennial	25-30	R	+	Flowering, fruiting
<i>Trifolium fragiferum</i>	perennial	10-12	F	1	Flowering, fruiting
<i>Trifolium repens</i>	perennial	10-15	F	1	Flowering, fruiting
<i>Typha angustifolia</i>	perennial	100-150	O	+	vegetation
<i>Verbascum blattaria</i>	biennial	30-40	O	+	Flowering, fruiting

<i>Verbena officinalis</i>	perennial	30-40	O	+	Flowering
<i>Xanthium spinosum</i>	annual	25-30	O	+	Flowering, fruiting
<i>Xanthium strumarium</i>	annual	30-40	R	+	Flowering, fruiting

Table 32: Check-list of plants recorded on sample plot 30 (39.62176° N, 66.582° E), 360 km OTHL, Pastdargom District of Samarkand Region, irrigated arable lands between villages Khancharvak and Kayrogoch

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	30-40	C	2	Flowering, fruiting
<i>Artemisia tournefortiana</i>	annual	50-100	R	+	Flowering, fruiting
<i>Avena fatua</i>	annual	30-40	O	+	dried
<i>Bidens frondosa</i>	annual	20-30	R	+	flowering
<i>Bolboschoenus maritimus</i>	perennial	40-50	O	+	Flowering, fruiting
<i>Bromus scoparius</i>	annual	15-20	O	+	dried
<i>Bromus tectorum</i>	annual	15-20	F	+	dried
<i>Capparis spinosa</i>	perennial	30-40	O	+	flowering
<i>Carthamus oxyacanthus</i>	annual	30-40	O	+	flowering
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	50-70	O	+	fruiting
<i>Centaurea belangeriana</i>	annual, biennial	25-30	R	+	flowering
<i>Centaurea iberica</i>	biennial	30-40	F	1	flowering
<i>Cichorium intybus</i>	perennial	30-40	O	+	flowering
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	Flowering, fruiting
<i>Cousinia microcarpa</i>	biennial	25-30	O	+	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	10-15	C	2	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	R	+	fruiting
<i>Echium biebersteinii</i>	biennial	30-40	R	+	fruiting
<i>Echinochloa crus-galli</i>	annual	50-70	R	+	fruiting
<i>Elymus repens</i>	perennial	30-40	O	+	fruiting
<i>Epilobium hirsutum</i>	perennial	50-100	O	+	Flowering, fruiting
<i>Erigeron sumatrensis</i>	annual	50-100	O	+	Flowering, fruiting
<i>Eryngium caeruleum</i>	Biennial, perennial	30-40	O	+	flowering
<i>Glycyrrhiza glabra</i>	perennial	50-100	O	1	Flowering, fruiting
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	25-30	F	1	dried
<i>Juncus inflexus</i>	perennial	40-50	R	+	fruiting
<i>Lactuca serriola</i>	annual, biennial	50-70	O	+	Flowering, fruiting
<i>Lepidium draba</i>	perennial	25-30	O	+	fruiting

<i>Malva neglecta</i>	Annual, perennial	10-15	O	+	Flowering
<i>Marrubium anisodon</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Melilotus albus</i>	biennial	30-40	R	+	Flowering, fruiting
<i>Mentha longifolia var. asiatica</i>	perennial	50-100	O	+	flowering
<i>Morus alba</i>	tree	250-300	O	1	vegetation
<i>Onopordum leptolepis</i>	biennial	70-100	O	1	Flowering, fruiting
<i>Paspalum distichum</i>	perennial	15-25	F	1	flowering
<i>Persicaria lapathifolia</i>	annual	50-70	F	1	Flowering, fruiting
<i>Persicaria minor</i>	annual	25-40	O	+	Flowering, fruiting
<i>Phleum paniculatum</i>	annual	12-15	O	+	dried
<i>Picnomon acarna</i>	annual	30-40	O	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	10-15	O	+	fruiting
<i>Plantago major</i>	perennial	15-25	O	+	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	20-25	F	+	dried
<i>Poacynum scabrum (Trachomitum scabrum)</i>	Perennial, liana	100-150	R	+	flowering
<i>Populus afghanica</i>	tree	6-7 m	R	1	vegetation
<i>Populus alba</i>	tree	6-7 m	R	1	vegetation
<i>Rhaponticum repens (Acroptilon repens)</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Setaria viridis</i>	annual	15-25	F	+	Flowering, fruiting
<i>Sisymbrium altissimum</i>	annual	30-40	O	+	dried
<i>Sophora alopecuroides</i>	perennial	30-40	R	+	fruiting
<i>Trifolium fragiferum</i>	perennial	10-12	F	1	Flowering, fruiting
<i>Trifolium repens</i>	perennial	10-15	F	1	Flowering, fruiting
<i>Tripolium pannonicum</i>	Annual, perennial	30-40	R	+	Flowering, fruiting
<i>Typha angustifolia</i>	perennial	100-150	F	1	vegetation
<i>Typha laxmannii</i>	perennial	100-150	O	+	fruiting
<i>Verbascum blattaria</i>	biennial	30-40	O	+	Flowering, fruiting
<i>Verbena officinalis</i>	perennial	30-40	O	+	Flowering
<i>Xanthium spinosum</i>	annual	25-30	O	+	Flowering, fruiting
<i>Xanthium strumarium</i>	annual	30-40	R	+	Flowering, fruiting

Table 33: Check-list of plants recorded on sample plot 31 (39.59459° N, 66.71014° E), 360 km OTHL, Pastdargom District of Samarkand Region, apple garden and camel thorn-grass community on boundary-strips

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun- Blanquet	

<i>Alhagi pseudalhagi</i>	perennial	30-40	C	2	Flowering, fruiting
<i>Avena fatua</i>	annual	30-40	R	+	dried
<i>Bromus scoparius</i>	annual	15-20	O	+	dried
<i>Bromus tectorum</i>	annual	15-20	F	+	dried
<i>Capparis spinosa</i>	perennial	30-40	O	+	flowering
<i>Carthamus oxyacanthus</i>	annual	30-40	O	+	flowering
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	30-40	R	+	fruiting
<i>Centaurea belangeriana</i>	annual, biennial	25-30	R	+	flowering
<i>Centaurea iberica</i>	biennial	30-40	F	1	flowering
<i>Cichorium intybus</i>	perennial	30-40	O	+	flowering
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	Flowering, fruiting
<i>Cousinia microcarpa</i>	biennial	25-30	O	+	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	10-15	C	2	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	R	+	fruiting
<i>Echium biebersteinii</i>	biennial	30-40	R	+	fruiting
<i>Glycyrrhiza triphylla</i>	perennial	40-50	O	+	fruiting
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	25-30	F	1	dried
<i>Lactuca serriola</i>	annual, biennial	50-70	O	+	Flowering, fruiting
<i>Malus domestica</i>	tree	200-250	D	4	fruiting
<i>Malva neglecta</i>	Annual, perennial	10-15	O	+	Flowering
<i>Marrubium anisodon</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Onopordum leptolepis</i>	biennial	70-100	O	1	Flowering, fruiting
<i>Phleum paniculatum</i>	annual	12-15	O	+	dried
<i>Picnomon acarna</i>	annual	30-40	O	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	10-15	O	+	fruiting
<i>Poa bulbosa</i>	perennial	20-25	F	+	dried
<i>Rhaponticum repens (Acroptilon repens)</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Sisymbrium altissimum</i>	annual	30-40	O	+	dried
<i>Sophora pachycarpa</i>	perennial	25-30	R	+	fruiting
<i>Xanthium spinosum</i>	annual	25-30	O	+	Flowering, fruiting

Table 34: Check-list of plants recorded on sample plot 32 (39.57447° N, 66.7379° E), 500 MW Nurabad BESS, Nurabad District of Samarkand Region, fallow land

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	20-30	R	+	Flowering, fruiting
<i>Alyssum desertorum</i>	annual	5-7	O	+	dried

<i>Andrachne telephioides</i>	perennial	5-10	R	+	fruiting
<i>Arenaria leptoclados</i>	annual	10-15	O	+	dried
<i>Carex pachystylis</i>	perennial	7-10	O	+	dried
<i>Carthamus oxyacanthus</i>	annual	15-20	R	+	flowering
<i>Centaurea belangeriana</i>	annual, biennial	15-20	R	+	flowering
<i>Centaurea iberica</i>	biennial	15-20	R	+	flowering
<i>Ceratocarpus arenarius</i>	annual	10-15	R	+	fruiting
<i>Cousinia resinosa</i>	perennial	20-30	R	+	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	10-15	O	+	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	R	+	fruiting
<i>Euphorbia chamaesyce</i>	annual	5-7	O	+	Flowering, fruiting
<i>Minuartia meyeri</i>	annual	5-7	R	+	dried
<i>Peganum harmala</i>	perennial	20-25	R	+	fruiting
<i>Phleum paniculatum</i>	annual	12-15	R	+	dried
<i>Poa bulbosa</i>	perennial	5-7	C	+	dried
<i>Salsola tragus</i>	annual	10-15	O	+	vegetation
<i>Ziziphora tenuior</i>	annual	5-7	O	+	dried

Table 35: Check-list of plants recorded on sample plot 33 (39.57559° N, 66.74406° E), Nurabad substation, Nurabad District of Samarkand Region, fallow land

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun- Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	20-30	C	2	Flowering, fruiting
<i>Alyssum desertorum</i>	annual	5-7	O	+	dried
<i>Aphanopleura capillifolia</i>	annual	10-15	O	+	dried
<i>Arenaria leptoclados</i>	annual	10-15	O	+	dried
<i>Carex pachystylis</i>	perennial	7-10	O	+	dried
<i>Capparis spinosa</i>	perennial	20-30	R	+	Flowering, fruiting
<i>Carthamus oxyacanthus</i>	annual	15-20	R	+	flowering
<i>Centaurea belangeriana</i>	annual, biennial	15-20	R	+	flowering
<i>Centaurea iberica</i>	biennial	15-20	R	+	flowering
<i>Ceratocarpus arenarius</i>	annual	15-20	R	+	fruiting
<i>Cousinia resinosa</i>	perennial	20-30	R	+	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	10-15	O	+	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	R	+	fruiting
<i>Euphorbia chamaesyce</i>	annual	5-7	O	+	Flowering, fruiting
<i>Heliotropium ellipticum</i>	annual	10-15	R	+	Flowering, fruiting
<i>Hordeum murinum</i> subsp. <i>leporinum</i> (<i>Hordeum leporinum</i>)	annual	15-20	O	+	dried
<i>Medicago monantha</i> (<i>Trigonella</i> <i>geminiflora</i>)	annual	5-7	O	+	dried
<i>Minuartia meyeri</i>	annual	5-7	R	+	dried

<i>Peganum harmala</i>	perennial	20-30	O	+	fruiting
<i>Phleum paniculatum</i>	annual	12-15	R	+	dried
<i>Plantago lanceolata</i>	perennial	5-10	O	+	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	20-25	C	+	dried
<i>Salsola tragus</i>	annual	10-15	O	+	vegetation
<i>Ziziphora tenuior</i>	annual	5-7	O	+	dried

Table 36: Check-list of plants recorded on sample plot 34 (39.55423° N, 66.69496° E), 100MW PV site surroundings, Nurabad District of Samarkand Region, rainfed crops

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Achillea arabica</i> (<i>Achillea biebersteinii</i>)	perennial	20-30	R	+	fruiting
<i>Aegilops cylindrica</i>	annual	20-30	F	+	dried
<i>Aegilops triuncialis</i>	annual	20-30	F	+	dried
<i>Alhagi pseudalhagi</i>	perennial	20-30	O	+	Flowering, fruiting
<i>Alyssum desertorum</i>	annual	5-7	O	+	dried
<i>Arenaria leptoclados</i>	annual	10-15	O	+	dried
<i>Astragalus filicaulis</i>	annual	10-15	O	+	dried
<i>Avena fatua</i>	annual	40-50	O	+	dried
<i>Bromus danthoniae</i>	annual	10-15	O	+	dried
<i>Bromus tectorum</i>	annual	20-25	O	+	dried
<i>Carthamus oxyacanthus</i>	annual	20-30	R	+	flowering
<i>Centaurea belangeriana</i>	annual, biennial	20-30	R	+	flowering
<i>Centaurea iberica</i>	biennial	20-30	R	+	flowering
<i>Convolvulus arvensis</i>	Perennial, liana	15-20	O	+	Flowering, fruiting
<i>Cousinia microcarpa</i>	biennial	20-30	R	+	Flowering, fruiting
<i>Cousinia resinosa</i>	perennial	20-30	R	+	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	15-20	O	+	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	O	+	fruiting
<i>Eremodaucus lehmannii</i>	annual	30-40	R	+	dried
<i>Erodium cicutarium</i>	annual	7-10	R	+	vegetation
<i>Heliotropium ellipticum</i>	annual	15-20	R	+	Flowering, fruiting
<i>Hordeum murinum</i> subsp. <i>leporinum</i> (<i>Hordeum leporinum</i>)	annual	20-30	O	+	dried
<i>Hordeum spontaneum</i>	annual	30-40	F	+	dried
<i>Koelpinia linearis</i>	annual	15-20	O	+	dried
<i>Malva neglecta</i>	Annual, perennial	5-10	R	+	Flowering
<i>Medicago monantha</i> (<i>Trigonella geminiflora</i>)	annual	5-7	O	+	dried
<i>Papaver pavoninum</i>	annual	20-25	O	+	dried
<i>Phleum paniculatum</i>	annual	12-15	O	+	dried
<i>Plantago lanceolata</i>	perennial	5-10	O	+	Flowering, fruiting

<i>Poa bulbosa</i>	perennial	20-30	F	+	dried
<i>Roemeria refracta</i>	annual	15-20	O	+	dried
<i>Sisymbrium altissimum</i>	annual	30-40	O	+	dried
<i>Sophora pachycarpa</i>	perennial	20-30	O	+	fruiting
<i>Stizolophus balsamita</i>	annual	30-40	R	+	fruiting
<i>Triticum aestivum</i>	annual	40-50	D	4	dried
<i>Turgenia latifolia</i>	annual	25-30	O	+	dried

Table 37: Check-list of plants recorded on sample plot 35 (39.5462° N, 66.69512° E), 360 km OHTL, Nurabad District of Samarkand Region, fallow land

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Achillea arabica</i> (<i>Achillea biebersteinii</i>)	perennial	20-30	F	1	fruiting
<i>Aegilops cylindrica</i>	annual	20-30	F	+	dried
<i>Aegilops triuncialis</i>	annual	20-30	F	+	dried
<i>Alhagi pseudalhagi</i>	perennial	20-30	O	+	Flowering, fruiting
<i>Alyssum desertorum</i>	annual	5-7	O	+	dried
<i>Andrachne telephioides</i>	perennial	5-10	R	+	fruiting
<i>Arenaria leptoclados</i>	annual	10-15	O	+	dried
<i>Astragalus filicaulis</i>	annual	10-15	O	+	dried
<i>Avena fatua</i>	annual	40-50	O	+	dried
<i>Bromus danthoniae</i>	annual	10-15	O	+	dried
<i>Bromus pumilio</i>	annual	7-10	O	+	dried
<i>Bromus scoparius</i>	annual	20-25	O	+	dried
<i>Bromus tectorum</i>	annual	20-25	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	C	2	flowering
<i>Carthamus oxyacanthus</i>	annual	20-30	O	+	flowering
<i>Centaurea belangeriana</i>	annual, biennial	20-30	O	+	flowering
<i>Centaurea iberica</i>	biennial	20-30	R	+	flowering
<i>Centaurea virgata</i> subsp. <i>squarrosa</i>	perennial	30-40	R	+	flowering
<i>Convolvulus arvensis</i>	Perennial, liana	15-20	O	+	Flowering, fruiting
<i>Cousinia microcarpa</i>	biennial	20-30	O	+	Flowering, fruiting
<i>Cousinia radians</i>	biennial	30-40	R	+	Flowering, fruiting
<i>Cousinia resinosa</i>	perennial	20-30	O	+	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	15-20	O	+	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	O	+	fruiting
<i>Echinophora sibthorpiana</i>	biennial	20-30	R	+	flowering
<i>Echium biebersteinii</i>	biennial	30-40	R	+	fruiting
<i>Haplophyllum acutifolium</i>	perennial	20-30	R	+	fruiting
<i>Haplophyllum versicolor</i>	perennial	15-20	O	+	fruiting
<i>Heliotropium ellipticum</i>	annual	25-30	R	+	Flowering, fruiting
<i>Hordeum murinum</i> subsp. <i>leporinum</i> (<i>Hordeum leporinum</i>)	annual	20-30	O	+	dried
<i>Koelpinia linearis</i>	annual	15-20	O	+	dried

<i>Malva neglecta</i>	Annual, perennial	10-15	O	+	Flowering
<i>Medicago monantha (Trigonella geminiflora)</i>	annual	5-7	O	+	dried
<i>Papaver pavoninum</i>	annual	20-25	O	+	dried
<i>Phleum paniculatum</i>	annual	12-15	O	+	dried
<i>Plantago lanceolata</i>	perennial	5-10	O	+	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	25-30	C	1	dried
<i>Phlomis thapsoides</i>	perennial	30-40	O	+	fruiting
<i>Ranunculus sewerzowii</i>	perennial	12-15	O	+	dried
<i>Roemeria refracta</i>	annual	15-20	O	+	dried
<i>Silene conica</i>	annual	12-15	O	+	dried
<i>Sisymbrium altissimum</i>	annual	30-40	O	+	dried
<i>Sophora pachycarpa</i>	perennial	20-30	F	1	fruiting
<i>Taeniatherum caput-medusae</i>	annual	20-30	F	1	dried
<i>Triticum aestivum</i>	annual	30-40	O	+	dried
<i>Turgenia latifolia</i>	annual	25-30	O	+	dried
<i>Ziziphora tenuior</i>	annual	5-7	O	+	dried

Table 38: Check-list of plants recorded on sample plot 36 (39.55146° N, 66.68727° E), Nurabad District of Samarkand Region, Ettitepa Archeologic Heritage site, dry grassland

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Achillea arabica (Achillea biebersteinii)</i>	perennial	20-30	O	+	fruiting
<i>Aegilops cylindrica</i>	annual	20-30	O	+	dried
<i>Aegilops triuncialis</i>	annual	20-30	O	+	dried
<i>Alhagi pseudalhagi</i>	perennial	20-30	F	1	Flowering, fruiting
<i>Alyssum desertorum</i>	annual	5-7	O	+	dried
<i>Andrachne telephioides</i>	perennial	5-10	R	+	fruiting
<i>Arenaria leptoclados</i>	annual	10-15	O	+	dried
<i>Astragalus filicalis</i>	annual	10-15	O	+	dried
<i>Avena fatua</i>	annual	40-50	O	+	dried
<i>Bromus danthoniae</i>	annual	10-15	O	+	dried
<i>Bromus pumilio</i>	annual	7-10	O	+	dried
<i>Bromus scoparius</i>	annual	20-25	O	+	dried
<i>Bromus tectorum</i>	annual	20-25	F	+	dried
<i>Capparis spinosa</i>	perennial	30-40	F	2	flowering
<i>Carthamus oxyacanthus</i>	annual	20-30	F	1	flowering
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	40-50	O	+	fruiting
<i>Centaurea belangeriana</i>	annual, biennial	20-30	F	1	flowering
<i>Centaurea iberica</i>	biennial	20-30	F	1	flowering
<i>Centaurea solstitialis</i>	annual	20-30	O	+	flowering
<i>Centaurea virgata subsp. squarrosa</i>	perennial	30-40	O	+	flowering
<i>Convolvulus arvensis</i>	Perennial, liana	15-20	O	+	Flowering, fruiting
<i>Cousinia microcarpa</i>	biennial	20-30	O	+	Flowering, fruiting

<i>Cousinia radians</i>	biennial	30-40	R	+	Flowering, fruiting
<i>Cousinia resinosa</i>	perennial	20-30	F	1	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	15-20	O	+	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	O	+	fruiting
<i>Echinophora sibthorpiana</i>	biennial	20-30	R	+	flowering
<i>Echium biebersteinii</i>	biennial	30-40	R	+	fruiting
<i>Eremodaucus lehmannii</i>	annual	30-40	O	+	dried
<i>Haplophyllum acutifolium</i>	perennial	20-30	R	+	fruiting
<i>Haplophyllum versicolor</i>	perennial	15-20	R	+	fruiting
<i>Heliotropium ellipticum</i>	annual	25-30	R	+	Flowering, fruiting
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	30-40	A	2	dried
<i>Koelpinia linearis</i>	annual	15-20	O	+	dried
<i>Malva neglecta</i>	Annual, perennial	10-15	O	+	Flowering
<i>Papaver pavoninum</i>	annual	20-25	O	+	dried
<i>Peganum harmala</i>	perennial	20-30	R	+	fruiting
<i>Phleum paniculatum</i>	annual	12-15	O	+	dried
<i>Poa bulbosa</i>	perennial	25-30	A	1	dried
<i>Phlomis thapsoides</i>	perennial	30-40	F	1	fruiting
<i>Plantago lanceolata</i>	perennial	5-10	O	+	Flowering, fruiting
<i>Rhaponticum repens (Acroptilon repens)</i>	perennial	30-40	R	+	fruiting
<i>Roemeria refracta</i>	annual	15-20	O	+	dried
<i>Salsola tragus</i>	annual	10-15	R	+	vegetation
<i>Sisymbrium altissimum</i>	annual	30-40	F	+	dried
<i>Sophora pachycarpa</i>	perennial	20-30	O	+	fruiting
<i>Stizolophus balsamita</i>	annual	30-40	R	+	fruiting
<i>Strigosella africana</i>	annual	10-15	R	+	dried
<i>Taeniatherum caput-medusae</i>	annual	20-30	F	1	dried
<i>Trichodesma incanum</i>	perennial	15-20	R	+	Flowering, fruiting
<i>Triticum aestivum</i>	annual	30-40	R	+	dried
<i>Turgenia latifolia</i>	annual	15-20	R	+	dried
<i>Xanthium spinosum</i>	annual	20-30	O	+	Flowering, fruiting
<i>Ziziphora tenuior</i>	annual	5-7	R	+	dried

Table 39: Check-list of plants recorded on sample plot 37 (39.54724° N, 66.68084° E), Sazagan-1 PV site, Nurabad District of Samarkand Region, rainfed crops

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Achillea arabica (Achillea biebersteinii)</i>	perennial	20-30	O	+	fruiting
<i>Aegilops cylindrica</i>	annual	20-30	F	+	dried
<i>Aegilops triuncialis</i>	annual	20-30	F	+	dried
<i>Alhagi pseudalhagi</i>	perennial	20-30	O	+	Flowering, fruiting

<i>Alyssum desertorum</i>	annual	5-7	O	+	dried
<i>Arenaria leptoclados</i>	annual	10-15	O	+	dried
<i>Astragalus filicaulis</i>	annual	10-15	O	+	dried
<i>Avena fatua</i>	annual	40-50	O	+	dried
<i>Bromus danthoniae</i>	annual	10-15	O	+	dried
<i>Bromus pumilio</i>	annual	7-10	O	+	dried
<i>Bromus scoparius</i>	annual	20-25	O	+	dried
<i>Bromus tectorum</i>	annual	20-25	O	+	dried
<i>Carthamus oxyacanthus</i>	annual	20-30	R	+	flowering
<i>Centaurea belangeriana</i>	annual, biennial	20-30	R	+	flowering
<i>Centaurea iberica</i>	biennial	20-30	R	+	flowering
<i>Convolvulus arvensis</i>	Perennial, liana	15-20	O	+	Flowering, fruiting
<i>Cousinia microcarpa</i>	biennial	20-30	R	+	Flowering, fruiting
<i>Cousinia radians</i>	biennial	30-40	R	+	Flowering, fruiting
<i>Cousinia resinosa</i>	perennial	20-30	R	+	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	15-20	O	+	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	O	+	fruiting
<i>Echinophora sibthorpiana</i>	biennial	20-30	R	+	flowering
<i>Eremodaucus lehmannii</i>	annual	30-40	R	+	dried
<i>Erodium cicutarium</i>	annual	7-10	R	+	vegetation
<i>Gypsophila vaccaria</i>	annual	30-40	R	+	dried
<i>Heliotropium ellipticum</i>	annual	15-20	R	+	Flowering, fruiting
<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	20-30	O	+	dried
<i>Hordeum spontaneum</i>	annual	30-40	F	+	dried
<i>Koelpinia linearis</i>	annual	15-20	O	+	dried
<i>Malva neglecta</i>	Annual, perennial	5-10	R	+	Flowering
<i>Medicago monantha</i> (<i>Trigonella geminiflora</i>)	annual	5-7	O	+	dried
<i>Papaver pavoninum</i>	annual	20-25	O	+	dried
<i>Phleum paniculatum</i>	annual	12-15	O	+	dried
<i>Plantago lanceolata</i>	perennial	5-10	O	+	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	20-30	F	+	dried
<i>Reseda luteola</i>	perennial	30-40	R	+	fruiting
<i>Rhaponticum repens</i> (<i>Acroptilon repens</i>)	perennial	30-40	R	+	fruiting
<i>Roemeria refracta</i>	annual	15-20	O	+	dried
<i>Sisymbrium altissimum</i>	annual	30-40	O	+	dried
<i>Sophora pachycarpa</i>	perennial	20-30	O	+	fruiting
<i>Stizolophus balsamita</i>	annual	30-40	R	+	fruiting
<i>Triticum aestivum</i>	annual	40-50	D	4	dried
<i>Turgenia latifolia</i>	annual	25-30	O	+	dried

Table 40: Check-list of plants recorded on sample plot 38 (39.54687° N, 66.67097° E), Sazagan-1 PV site, Nurabad District of Samarkand Region, fallow land with secondary forb-grass vegetation

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Achillea arabica</i> (<i>Achillea biebersteinii</i>)	perennial	20-30	O	+	fruiting
<i>Aegilops cylindrica</i>	annual	20-30	O	+	dried
<i>Aegilops triuncialis</i>	annual	20-30	O	+	dried
<i>Alhagi pseudalhagi</i>	perennial	20-30	F	1	Flowering, fruiting
<i>Alyssum desertorum</i>	annual	5-7	O	+	dried
<i>Arenaria leptocladus</i>	annual	10-15	O	+	dried
<i>Astragalus filicaulis</i>	annual	10-15	O	+	dried
<i>Avena fatua</i>	annual	40-50	O	+	dried
<i>Bromus danthoniae</i>	annual	10-15	O	+	dried
<i>Bromus pumilio</i>	annual	7-10	O	+	dried
<i>Bromus scoparius</i>	annual	20-25	O	+	dried
<i>Bromus tectorum</i>	annual	20-25	F	+	dried
<i>Capparis spinosa</i>	perennial	30-40	R	+	flowering
<i>Carthamus oxyacanthus</i>	annual	20-30	O	+	flowering
<i>Carthamus lanatus</i> subsp. <i>turkestanicus</i>	annual	40-50	R	+	fruiting
<i>Centaurea belangeriana</i>	annual, biennial	20-30	F	1	flowering
<i>Centaurea iberica</i>	biennial	20-30	F	1	flowering
<i>Centaurea solstitialis</i>	annual	20-30	O	+	flowering
<i>Centaurea virgata</i> subsp. <i>squarrosa</i>	perennial	30-40	O	+	flowering
<i>Ceratocarpus arenarius</i>	annual	15-20	O	+	fruiting
<i>Cichorium intybus</i>	perennial	30-40	O	+	fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	15-20	O	+	Flowering, fruiting
<i>Convolvulus pseudocantabrica</i>	perennial	30-40	O	+	fruiting
<i>Cousinia microcarpa</i>	biennial	20-30	O	+	Flowering, fruiting
<i>Cousinia radians</i>	biennial	30-40	O	+	Flowering, fruiting
<i>Cousinia resinosa</i>	perennial	20-30	F	1	Flowering, fruiting
<i>Cynodon dactylon</i>	perennial	15-20	O	+	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	O	+	fruiting
<i>Echinophora sibthorpiana</i>	biennial	20-30	O	+	flowering
<i>Echium biebersteinii</i>	biennial	30-40	O	+	fruiting
<i>Eremodaucus lehmannii</i>	annual	30-40	O	+	dried
<i>Gypsophila vaccaria</i>	annual	30-40	R	+	dried
<i>Handelia trichophylla</i>	perennial	50-70	R	+	fruiting
<i>Haplophyllum acutifolium</i>	perennial	30-40	O	+	fruiting
<i>Haplophyllum versicolor</i>	perennial	15-20	O	+	fruiting
<i>Heliotropium ellipticum</i>	annual	20-30	R	+	Flowering, fruiting
<i>Hordeum murinum</i> subsp. <i>leporinum</i> (<i>Hordeum leporinum</i>)	annual	30-40	C	1	dried

<i>Hordeum spontaneum</i>	annual	30-40	R	+	dried
<i>Koelpinia linearis</i>	annual	15-20	O	+	dried
<i>Malva neglecta</i>	Annual, perennial	10-15	O	+	Flowering
<i>Medicago monantha (Trigonella geminiflora)</i>	annual	5-7	O	+	dried
<i>Onopordum leptolepis</i>	biennial	50-70	O	+	Flowering, fruiting
<i>Papaver pavoninum</i>	annual	20-25	O	+	dried
<i>Peganum harmala</i>	perennial	20-30	R	+	fruiting
<i>Phleum paniculatum</i>	annual	12-15	O	+	dried
<i>Phlomis thapsoides</i>	perennial	30-40	F	1	fruiting
<i>Picnomon acarna</i>	annual	30-40	O	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	5-10	O	+	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	25-30	A	1	dried
<i>Pseudohandelia umbellifera</i>	perennial	40-50	R	+	fruiting
<i>Ranunculus sewerzowii</i>	perennial	12-15	O	+	dried
<i>Reseda luteola</i>	perennial	30-40	O	+	fruiting
<i>Rhaponicum repens (Acroptilon repens)</i>	perennial	30-40	O	+	fruiting
<i>Roemeria refracta</i>	annual	15-20	O	+	dried
<i>Rosa persica (Hulthemia persica)</i>	subshrub	30-40	O	+	fruiting
<i>Silene conica</i>	annual	12-15	O	+	dried
<i>Sisymbrium altissimum</i>	annual	30-40	F	+	dried
<i>Sophora pachycarpa</i>	perennial	20-30	O	+	fruiting
<i>Stizolophus balsamita</i>	annual	30-40	O	+	fruiting
<i>Strigosella africana</i>	annual	15-20	R	+	dried
<i>Taeniatherum caput-medusae</i>	annual	20-30	A	1	dried
<i>Trichodesma incanum</i>	perennial	25-30	O	+	Flowering, fruiting
<i>Triticum aestivum</i>	annual	30-40	R	+	dried
<i>Turgenia latifolia</i>	annual	25-30	O	+	dried
<i>Verbena officinalis</i>	perennial	30-40	O	+	Flowering
<i>Xanthium spinosum</i>	annual	30-40	O	+	Flowering, fruiting
<i>Ziziphora tenuior</i>	annual	5-7	O	+	dried

Table 41: Check-list of plants recorded on sample plot 39 (39.45894° N, 65.9849° E), northeastern part of 400 MW PV site, Nurabad District of Samarkand Region, fallow land, camel thorn-ephemeroid vegetation

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	15-20	C	1	Flowering, fruiting
<i>Alyssum desertorum</i>	annual	5-7	R	+	dried
<i>Carex pachystylis</i>	perennial	7-10	F	+	dried
<i>Ceratocarpus arenarius</i>	annual	10-15	R	+	fruiting
<i>Cousinia resinosa</i>	perennial	15-20	R	+	Flowering, fruiting
<i>Euphorbia chamaesyce</i>	annual	5-7	R	+	Flowering, fruiting

<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	15-20	O	+	dried
<i>Peganum harmala</i>	perennial	20-30	O	+	fruiting
<i>Poa bulbosa</i>	perennial	20-25	C	+	dried

Table 42: Check-list of plants recorded on sample plot 40 (39.44893° N, 65.96658° E), western part of 400 MW PV site, Nurabad District of Samarkand Region, clayey piedmont plain with native camel thorn-ephemeroid vegetation

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	20-25	A	2	Flowering, fruiting
<i>Alyssum desertorum</i>	annual	5-7	R	+	dried
<i>Carex pachystylis</i>	perennial	7-10	A	1	dried
<i>Ceratocarpus arenarius</i>	annual	15-20	R	+	fruiting
<i>Cousinia resinosa</i>	perennial	15-20	O	+	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	10-15	R	+	fruiting
<i>Euphorbia chamaesyce</i>	annual	5-7	R	+	Flowering, fruiting
<i>Heliotropium ellipticum</i>	annual	10-15	R	+	Flowering, fruiting
<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	15-20	O	+	dried
<i>Medicago monantha</i> (<i>Trigonella geminiflora</i>)	annual	5-7	R	+	dried
<i>Minuartia meyeri</i>	annual	5-7	R	+	dried
<i>Peganum harmala</i>	perennial	20-30	R	+	fruiting
<i>Plantago lanceolata</i>	perennial	5-10	R	+	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	10-15	F	+	dried

Table 43: Check-list of plants recorded on sample plot 41 (39.44314° N, 65.97621° E), central part of 400 MW PV site, Nurabad District of Samarkand Region, fallow land with camel thorn-ephemeroid vegetation

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	20-25	F	1	Flowering, fruiting
<i>Alyssum desertorum</i>	annual	5-7	R	+	dried
<i>Carex pachystylis</i>	perennial	7-10	O	+	dried
<i>Ceratocarpus arenarius</i>	annual	10-15	O	+	fruiting
<i>Cousinia resinosa</i>	perennial	15-20	R	+	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	12-15	O	+	fruiting
<i>Euphorbia chamaesyce</i>	annual	5-7	R	+	Flowering, fruiting
<i>Heliotropium ellipticum</i>	annual	10-15	R	+	Flowering, fruiting
<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	15-20	O	+	dried
<i>Medicago monantha</i> (<i>Trigonella geminiflora</i>)	annual	5-7	R	+	dried

<i>Peganum harmala</i>	perennial	20-30	R	+	fruiting
<i>Poa bulbosa</i>	perennial	20-25	A	+	dried

Table 44: Check-list of plants recorded on sample plot 42 (39.41943° N, 65.94493° E), northern part of 500 MW PV site, Nurabad District of Samarkand Region, clayey piedmont plain with native camel thorn-ephemeroid vegetation

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	15-20	A	2	Flowering, fruiting
<i>Alyssum desertorum</i>	annual	5-7	R	+	dried
<i>Carex pachystylis</i>	perennial	7-10	A	1	dried
<i>Ceratocarpus arenarius</i>	annual	15-20	R	+	fruiting
<i>Cousinia resinosa</i>	perennial	15-20	O	+	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	10-15	R	+	fruiting
<i>Euphorbia chamaesyce</i>	annual	5-7	R	+	Flowering, fruiting
<i>Heliotropium ellipticum</i>	annual	10-15	R	+	Flowering, fruiting
<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	15-20	O	+	dried
<i>Peganum harmala</i>	perennial	20-30	O	+	fruiting
<i>Poa bulbosa</i>	perennial	10-15	F	+	dried

Table 45: Check-list of plants recorded on sample plot 43 (39.43202° N, 65.94462° E), central part of 500 MW PV site, Nurabad District of Samarkand Region, clayey piedmont plain with native camel thorn-ephemeroid vegetation

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	20-25	A	2	Flowering, fruiting
<i>Alyssum desertorum</i>	annual	5-7	O	+	dried
<i>Carex pachystylis</i>	perennial	7-10	D	1	dried
<i>Ceratocarpus arenarius</i>	annual	10-15	R	+	fruiting
<i>Cousinia resinosa</i>	perennial	15-20	O	+	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	10-15	R	+	fruiting
<i>Euphorbia chamaesyce</i>	annual	5-7	R	+	Flowering, fruiting
<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	15-20	O	+	dried
<i>Minuartia meyeri</i>	annual	5-7	R	+	dried
<i>Peganum harmala</i>	perennial	20-30	R	+	fruiting
<i>Poa bulbosa</i>	perennial	10-15	F	+	dried

Table 46: Check-list of plants recorded on sample plot 44 (39.51688° N, 63.87222° E), Karakul BESS site, Karakul District of Bukhara Region, shallow wavy fixed sands with disturbed desert sedge-Astragalus-Convulvulus-white saxaul community at the edge of garbage dump

Species	Life form		Abundance	
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		Height, cm	DACFOR	Braun- Blanquet	Phenol. Stage
<i>Alhagi pseudalhagi</i>	perennial	20-30	O	+	Flowering, fruiting
<i>Astragalus villosissimus</i>	dwarf shrub	30-40	O	1	fruiting
<i>Bromus tectorum</i>	annual	12-15	O	+	dried
<i>Carex physodes</i>	perennial	10-15	C	1	dried
<i>Ceratocarpus arenarius</i>	annual	15-20	R	+	fruiting
<i>Ceratocephala falcata</i>	annual	5-7	F	+	dried
<i>Convolvulus divaricatus</i>	subshrub	30-40	F	1	Flowering, fruiting
<i>Convolvulus hamadae</i>	subshrub	30-40	R	+	Flowering, fruiting
<i>Cousinia hamadae</i>	perennial	20-30	R	+	fruiting
<i>Eremopyrum bonaepartis</i>	annual	12-15	R	+	dried
<i>Eremopyrum distans</i>	annual	12-15	R	+	dried
<i>Haloxylon persicum</i>	shrub	100-150	A	2	vegetation
<i>Heliotropium arguzioides</i>	perennial	10-15	O	+	Flowering
<i>Heliotropium dasycarpum</i>	perennial	10-15	O	+	Flowering
<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	15-20	O	+	dried
<i>Koelpinia linearis</i>	annual	12-15	R	+	dried
<i>Meniocus linifolius</i>	annual	5-7	O	+	dried
<i>Peganum harmala</i>	perennial	20-30	O	+	fruiting
<i>Salsola paulsenii</i>	annual	20-30	O	+	Flowering

Table 47. Check-list of plants recorded on sample plot 45 (39.56555° N, 66.71898° E), 70 km OTHL, Nurobod District of Samarkand Region, bank of dry temporary stream, ephemeroïd-forb-camel thorn community

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun- Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	40-50	A	2	fruiting
<i>Alyssum desertorum</i>	annual	5-7	O	+	dried
<i>Bromus tectorum</i>	annual	12-15	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	O	+	fruiting
<i>Carex pachystylis</i>	perennial	7-10	O	+	dried
<i>Carthamus oxyacanthus</i>	annual	20-25	R	+	flowering
<i>Centaurea belangeriana</i>	annual, biennial	20-25	O	+	flowering
<i>Ceratocarpus arenarius</i>	annual	10-15	O	+	fruiting
<i>Cousinia resinosa</i>	perennial	20-30	O	+	fruiting
<i>Dianthus tetralapis</i>	perennial	20-25	R	+	fruiting
<i>Glycyrrhiza triphylla</i>	perennial	40-50	F	1	fruiting
<i>Minuartia meyeri</i>	annual	5-7	R	+	dried
<i>Poa bulbosa</i>	perennial	15-20	O	+	dried

Table 48. Check-list of plants recorded on sample plot 46 (39.56149° N, 66.702735° E), 70 km OTHL, Nurobod District of Samarkand Region, dry foothills, camel thorn-ephemeroïd community among rainfed fields

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun- Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	25-30	F	1	fruiting
<i>Allium griffithianum</i>	perennial	10-15	R	+	dried

<i>Alyssum desertorum</i>	annual	5-7	R	+	dried
<i>Bromus tectorum</i>	annual	12-15	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	R	+	fruiting
<i>Carex pachystylis</i>	perennial	7-10	A	1	dried
<i>Carthamus oxyacanthus</i>	annual	20-25	R	+	flowering
<i>Carthamus lanatus</i> subsp. <i>turkestanicus</i>	annual	25-30	O	+	fruiting
<i>Centaurea belangeriana</i>	annual, biennial	20-25	R	+	flowering
<i>Ceratocarpus arenarius</i>	annual	10-15	F	1	fruiting
<i>Cousinia resinosa</i>	perennial	20-30	R	+	fruiting
<i>Diarthron vesiculosum</i>	annual	10-15	O	+	fruiting
<i>Eremodaucus lehmannii</i>	annual	25-30	R	+	dried
<i>Papaver pavoninum</i>	annual	12-15	R	+	dried
<i>Phlomis thapsoides</i>	perennial	20-25	R	+	vegetation
<i>Poa bulbosa</i>	perennial	15-20	F	+	dried
<i>Sisymbrium altissimum</i>	annual	25-30	R	+	dried
<i>Sophora pachycarpa</i>	perennial	20-25	O	+	fruiting
<i>Stipa hohenackeriana</i>	perennial	25-30	R	+	fruiting

Table 49. Check-list of plants recorded on sample plot 47 (39.5678° N, 66.65157° E), 360 km OTHL, Pastdargom District of Samarkand Region, a vineyard 5 km to the southeast of village Khancharvak

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	30-40	O	1	fruiting
<i>Artemisia tournefortiana</i>	annual	50-100	R	+	Flowering, fruiting
<i>Avena fatua</i>	annual	30-40	O	+	dried
<i>Bromus tectorum</i>	annual	15-20	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	O	+	flowering
<i>Carthamus oxyacanthus</i>	annual	30-40	O	+	flowering
<i>Carthamus lanatus</i> subsp. <i>turkestanicus</i>	annual	50-70	O	+	fruiting
<i>Centaurea belangeriana</i>	annual, biennial	25-30	R	+	fruiting
<i>Centaurea iberica</i>	biennial	30-40	O	+	fruiting
<i>Centaurea solstitialis</i>	annual	20-30	O	+	fruiting
<i>Centaurea virgata</i> subsp. <i>squarrosa</i>	perennial	30-40	O	+	fruiting
<i>Cichorium intybus</i>	perennial	30-40	F	+	Flowering, fruiting
<i>Cirsium vulgare</i>	biennial	50-70	O	+	fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	F	+	Flowering, fruiting
<i>Cullen drupaceum</i> (<i>Psoralea</i> <i>drupacea</i>)	perennial	40-50	R	+	fruiting
<i>Cynodon dactylon</i>	perennial	10-15	C	2	fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	O	+	fruiting
<i>Digitaria sanguinalis</i>	annual	20-25	C	2	fruiting
<i>Echium biebersteinii</i>	biennial	30-40	R	+	fruiting
<i>Echinochloa crus-galli</i>	annual	50-70	R	+	fruiting
<i>Epilobium hirsutum</i>	perennial	50-100	O	+	Flowering, fruiting

<i>Erigeron canadensis</i>	annual	40-50	F	1	Flowering, fruiting
<i>Erigeron sumatrensis</i>	annual	50-70	F	1	Flowering, fruiting
<i>Hordeum murinum</i> subsp. <i>leporinum</i> (<i>Hordeum leporinum</i>)	annual	25-30	F	1	dried
<i>Hypericum perforatum</i>	perennial	30-40	R	+	Flowering, fruiting
<i>Lactuca serriola</i>	annual, biennial	50-70	O	+	Flowering, fruiting
<i>Mentha longifolia</i> var. <i>asiatica</i>	perennial	50-100	O	+	flowering
<i>Onopordum leptolepis</i>	biennial	70-100	F	1	Flowering, fruiting
<i>Persicaria minor</i>	annual	25-40	R	+	Flowering, fruiting
<i>Picnemon acarna</i>	annual	30-40	R	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	10-15	A	1	fruiting
<i>Plantago major</i>	perennial	15-25	F	1	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	20-25	F	+	dried
<i>Rhaponicum repens</i> (<i>Acroptilon repens</i>)	perennial	30-40	O	+	Flowering, fruiting
<i>Rosa persica</i> (<i>Hulthemia persica</i>)	subshrub	30-40	A	2	fruiting
<i>Setaria viridis</i>	annual	15-25	O	+	Flowering, fruiting
<i>Sisymbrium altissimum</i>	annual	30-40	F	+	dried
<i>Sophora pachycarpa</i>	perennial	30-40	F	1	fruiting
<i>Sorghum halepense</i>	perennial	40-50	O	+	fruiting
<i>Taeniatherum caput-medusae</i>	annual	20-30	F	+	dried
<i>Trifolium repens</i>	perennial	10-15	O	+	Flowering, fruiting
<i>Verbena officinalis</i>	perennial	30-40	O	+	Flowering
<i>Vitis vinifera</i>	shrub	100-150	A	3	fruiting
<i>Xanthium spinosum</i>	annual	25-30	O	+	Flowering, fruiting
<i>Xanthium strumarium</i>	annual	30-40	F	2	Flowering, fruiting

Table 50. Check-list of plants recorded on sample plot 48 (39.567825° N, 66.613356° E), 360 km OTHL, Pastdargom District of Samarkand Region, irrigated cotton and peanut fields 3 km to the south of village Khancharvak

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Achillea wilhelmsii</i> (<i>Achillea kermanica</i>)	perennial	20-25	O	+	fruiting
<i>Alhagi pseudalhagi</i>	perennial	30-40	F	1	fruiting
<i>Artemisia tournefortiana</i>	annual	50-100	R	+	Flowering, fruiting
<i>Avena fatua</i>	annual	30-40	O	+	dried
<i>Bromus tectorum</i>	annual	15-20	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	R	+	flowering
<i>Carthamus oxyacanthus</i>	annual	30-40	R	+	flowering

<i>Carthamus lanatus</i> subsp. <i>turkestanicus</i>	annual	50-70	R	+	fruiting
<i>Centaurea iberica</i>	biennial	30-40	R	+	fruiting
<i>Centaurea solstitialis</i>	annual	20-30	O	+	fruiting
<i>Chenopodium album</i>	annual	30-40	O	+	Flowering, fruiting
<i>Cichorium intybus</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	O	+	Flowering, fruiting
<i>Cullen drupaceum</i> (<i>Psoralea drupacea</i>)	perennial	40-50	R	+	fruiting
<i>Cynodon dactylon</i>	perennial	10-15	F	1	fruiting
<i>Datura stramonium</i>	annual	70-100	O	1	Flowering, fruiting
<i>Digitaria sanguinalis</i>	annual	20-25	F	1	fruiting
<i>Echium biebersteinii</i>	biennial	30-40	R	+	fruiting
<i>Echinochloa crus-galli</i>	annual	50-70	R	+	fruiting
<i>Echinophora sibthorpiana</i>	biennial	20-30	O	+	fruiting
<i>Epilobium hirsutum</i>	perennial	50-100	O	+	Flowering, fruiting
<i>Erigeron canadensis</i>	annual	40-50	R	+	Flowering, fruiting
<i>Erigeron sumatrensis</i>	annual	50-70	R	+	Flowering, fruiting
<i>Gossypium hirsutum</i>	Perennial (annual in culture)	40-50	D	4	fruiting
<i>Haplophyllum versicolor</i>	perennial	15-20	R	+	fruiting
<i>Hordeum murinum</i> subsp. <i>leporinum</i> (<i>Hordeum leporinum</i>)	annual	25-30	F	1	dried
<i>Lactuca serriola</i>	annual, biennial	40-50	O	+	Flowering, fruiting
<i>Medicago sativa</i>	perennial	25-30	O	+	Flowering, fruiting
<i>Mentha longifolia</i> var. <i>asiatica</i>	perennial	40-50	O	+	flowering
<i>Onopordum leptolepis</i>	biennial	40-50	R	+	Flowering, fruiting
<i>Persicaria minor</i>	annual	20-30	R	+	Flowering, fruiting
<i>Picnomon acarna</i>	annual	30-40	R	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	10-15	F	1	fruiting
<i>Plantago major</i>	perennial	10-15	O	+	Flowering, fruiting
<i>Poa bulbosa</i>	perennial	20-25	F	+	dried
<i>Polygonum aviculare</i>	Annual, perennial	10-15	O	+	Flowering, fruiting
<i>Rhaponticum repens</i> (<i>Acroptilon repens</i>)	perennial	30-40	O	+	Flowering, fruiting
<i>Rosa persica</i> (<i>Hulthemia persica</i>)	subshrub	30-40	F	1	fruiting
<i>Setaria viridis</i>	annual	15-25	O	+	Flowering, fruiting
<i>Sisymbrium altissimum</i>	annual	30-40	O	+	dried
<i>Solanum nigrum</i>	annual	25-30	R	+	Flowering, fruiting

<i>Sorghum halepense</i>	perennial	40-50	O	+	fruiting
<i>Trifolium repens</i>	perennial	10-15	O	+	Flowering, fruiting
<i>Xanthium spinosum</i>	annual	25-30	R	+	Flowering, fruiting
<i>Xanthium strumarium</i>	annual	25-30	O	1	Flowering, fruiting

Table 51. Check-list of plants recorded on sample plot 49 (39.56072° N, 66.58319° E), 360 km OTHL, Pastdargom District of Samarkand Region, apple garden and boundary-strip 2 km to the south of village Khancharvak

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	30-40	C	1	fruiting
<i>Bromus tectorum</i>	annual	15-20	O	+	dried
<i>Capparis spinosa</i>	perennial	30-40	F	1	flowering
<i>Carthamus oxyacanthus</i>	annual	30-40	R	+	flowering
<i>Carthamus lanatus subsp. turkestanicus</i>	annual	50-70	O	+	fruiting
<i>Centaurea belangeriana</i>	annual, biennial	25-30	R	+	fruiting
<i>Centaurea iberica</i>	biennial	30-40	R	+	fruiting
<i>Centaurea solstitialis</i>	annual	20-30	O	+	fruiting
<i>Centaurea virgata subsp. squarrosa</i>	perennial	30-40	O	+	fruiting
<i>Cichorium intybus</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	F	+	Flowering, fruiting
<i>Cullen drupaceum (Psoralea drupacea)</i>	perennial	40-50	R	+	fruiting
<i>Cynodon dactylon</i>	perennial	10-15	C	2	fruiting
<i>Diarthron vesiculosum</i>	annual	15-20	O	+	fruiting
<i>Echium biebersteinii</i>	biennial	30-40	R	+	fruiting
<i>Erigeron canadensis</i>	annual	40-50	R	+	Flowering, fruiting
<i>Gleditsia caspica</i>	tree	4-5 m	R	1	vegetation
<i>Heliotropium ellipticum</i>	annual	15-20	R	+	Flowering, fruiting
<i>Hordeum spontaneum</i>	annual	40-50	O	+	dried
<i>Hordeum murinum subsp. leporinum (Hordeum leporinum)</i>	annual	25-30	F	1	dried
<i>Lactuca serriola</i>	annual, biennial	50-70	R	+	Flowering, fruiting
<i>Malus domestica</i>	tree	200-250	D	4	fruiting
<i>Onopordum leptolepis</i>	biennial	70-100	O	1	Flowering, fruiting
<i>Picnomon acarna</i>	annual	30-40	R	+	Flowering, fruiting
<i>Plantago lanceolata</i>	perennial	10-15	O	+	fruiting
<i>Poa bulbosa</i>	perennial	20-25	A	2	dried
<i>Rhaponticum repens (Acroptilon repens)</i>	perennial	30-40	O	+	Flowering, fruiting
<i>Rosa persica (Hulthemia persica)</i>	subshrub	30-40	F	1	fruiting
<i>Sisymbrium altissimum</i>	annual	30-40	O	+	dried

<i>Sophora pachycarpa</i>	perennial	30-40	R	+	fruiting
<i>Ulmus pumila</i>	tree	2-3 m	F	2	vegetation
<i>Xanthium spinosum</i>	annual	25-30	R	+	Flowering, fruiting

Table 52. Check-list of plants recorded on sample plot 50 (39.52184° N, 66.464766° E), 70 km OTHL, Nurobod District of Samarkand Region, 2.5 km to the northwest of the village Sarikul, dry foothills among rainfed fields, camel thorn-ephemeroid community

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	25-30	F	1	fruiting
<i>Andrachne telephioides</i>	perennial	5-10	R	+	fruiting
<i>Bromus danthoniae</i>	annual	12-15	O	+	dried
<i>Carex pachystylis</i>	perennial	7-10	A	1	dried
<i>Cousinia resinosa</i>	perennial	20-30	O	+	dried
<i>Cynodon dactylon</i>	perennial	10-15	O	+	fruiting
<i>Diarthron vesiculosum</i>	annual	10-15	O	+	fruiting
<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	25-30	O	+	dried
<i>Papaver pavoninum</i>	annual	12-15	R	+	dried
<i>Poa bulbosa</i>	perennial	15-20	F	+	dried

Table 53. Check-list of plants recorded on sample plot 51 (39.507245° N, 66.40238° E), 70 km OTHL, Nurobod District of Samarkand Region, strongly degraded dry foothills near the canal Moscow

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	25-30	O	1	fruiting
<i>Andrachne telephioides</i>	perennial	5-10	R	+	fruiting
<i>Bothriochloa ischaemum</i>	perennial	30-40	O	+	fruiting
<i>Calamagrostis pseudophragmites</i>	perennial	30-40	O	+	fruiting
<i>Carex pachystylis</i>	perennial	7-10	C	1	dried
<i>Centaurea solstitialis</i>	annual	20-30	O	+	fruiting
<i>Convolvulus arvensis</i>	Perennial, liana	10-15	R	+	Flowering, fruiting
<i>Cousinia resinosa</i>	perennial	15-20	R	+	dried
<i>Cynodon dactylon</i>	perennial	10-15	F	1	fruiting
<i>Diarthron vesiculosum</i>	annual	10-15	O	+	fruiting
<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	25-30	O	+	dried
<i>Poa bulbosa</i>	perennial	15-20	O	+	dried

Table 54. Check-list of plants recorded on sample plot 52 (39.49269° N, 66.31366° E), 70 km OTHL, Nurobod District of Samarkand Region, dry foothills among rainfed fields, ephemeroid community

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	20-25	O	+	fruiting
<i>Andrachne telephioides</i>	perennial	5-10	R	+	fruiting
<i>Bromus danthoniae</i>	annual	12-15	R	+	dried

<i>Carex pachystylis</i>	perennial	7-10	A	1	dried
<i>Centaurea belangeriana</i>	annual, biennial	20-25	R	+	Flowering, fruiting
<i>Ceratocarpus arenarius</i>	annual	10-15	R	+	fruiting
<i>Cousinia resinosa</i>	perennial	20-30	R	+	Flowering, fruiting
<i>Diarthron vesiculosum</i>	annual	10-15	O	+	fruiting
<i>Hordeum murinum</i> subsp. <i>leporinum</i> (<i>Hordeum leporinum</i>)	annual	25-30	R	+	dried
<i>Papaver pavoninum</i>	annual	12-15	R	+	dried
<i>Poa bulbosa</i>	perennial	15-20	F	+	dried
<i>Rosa persica</i> (<i>Hulthemia persica</i>)	subshrub	30-40	R	+	fruiting
<i>Taeniatherum caput-medusae</i>	annual	15-20	O	+	dried

Table 55. Check-list of plants recorded on sample plot 53 (39.489311° N, 66.299027° E), 70 km OTHL, Nurobod District of Samarkand Region, dry foothills, camel thorn-ephemeroid community

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	25-30	F	1	fruiting
<i>Carex pachystylis</i>	perennial	7-10	A	1	dried
<i>Cousinia resinosa</i>	perennial	20-30	F	1	fruiting
<i>Diarthron vesiculosum</i>	annual	10-15	O	+	fruiting
<i>Hordeum murinum</i> subsp. <i>leporinum</i> (<i>Hordeum leporinum</i>)	annual	25-30	R	+	dried
<i>Poa bulbosa</i>	perennial	15-20	F	+	dried

Table 56. Check-list of plants recorded on sample plot 54 (39.4145° N, 66.010276° E), 70 km OTHL, Nurobod District of Samarkand Region, 1.5 km to the south of the village Koshkuduk, piedmont plain, strongly overgrazed camel thorn-ephemeroid community

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	15-20	F	+	fruiting
<i>Carex pachystylis</i>	perennial	7-10	F	+	dried
<i>Ceratocarpus arenarius</i>	annual	10-15	R	+	fruiting
<i>Cousinia resinosa</i>	perennial	15-20	R	+	dried
<i>Hordeum murinum</i> subsp. <i>leporinum</i> (<i>Hordeum leporinum</i>)	annual	15-20	R	+	dried
<i>Peganum harmala</i>	perennial	20-25	R	+	fruiting
<i>Poa bulbosa</i>	perennial	12-15	O	+	dried

Table 57. Check-list of plants recorded on sample plot 55 (39.42285° N, 65.99433° E), 70 km OTHL, Nurobod District of Samarkand Region, 0.8 km to the southwest of the village Koshkuduk, piedmont plain, camel thorn-ephemeroid community

Species	Life form	Height, cm	Abundance		Phenol. Stage
			DACFOR	Braun-Blanquet	
<i>Alhagi pseudalhagi</i>	perennial	15-20	F	1	fruiting
<i>Carex pachystylis</i>	perennial	7-10	A	1	dried
<i>Ceratocarpus arenarius</i>	annual	10-15	R	+	fruiting

<i>Cousinia resinosa</i>	perennial	20-30	R	+	dried
<i>Hordeum murinum subsp. leporinum</i> (<i>Hordeum leporinum</i>)	annual	25-30	R	+	dried
<i>Peganum harmala</i>	perennial	20-25	R	+	fruiting
<i>Poa bulbosa</i>	perennial	12-15	O	+	dried

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Mammal survey report

Environmental and Social Impact Assessment (ESIA) for the development of a solar power project in Samarkand Region, Uzbekistan

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Table of Content

1. Introduction	8
2. Study Area Description	9
100 MW PV plant and access road 70 m.....	9
Nurabad substation and access road 5320 m	10
Nurabad BESS	11
Solar 400 MW PV plant, pooling station and access road 696 m.....	11
Solar 500 MW PV plant.....	12
Khalka substation and 360 km 550 kV OHTL	13
70 km OHTL (Pooling station – Nurabad SS)	15
Karakul BESS and access road	16
3. Materials and methods	17
Solar 100 MW PV plant and access road.....	18
Nurabad substation.....	19
Nurabad BESS	20
Solar 400 MW PV plant and pooling station	21
Solar 500 MW PV plant.....	22
Khalka substation and 360 km 550 kV OHTL	23
70 km OHTL (Pooling station – Nurabad SS)	25
Karakul BESS.....	26
LILOs 11 km and 19 km	27
4. Findings and Results	27
Solar 100 MW PV plant and access road 70 m.....	27
Nurabad substation and access road 5320 m	28
Nurabad BESS	29
Solar 400 MW PV plant, access road 696 m, and pooling station.....	30
Solar 500 MW PV plant.....	31
Khalka substation and 360 km 550 kV OHTL	32
70 km OHTL (Pooling station – Nurabad SS)	35
Karakul BESS.....	37
LILO 11 km, LILO 19 km	38
5. Phototrap survey	40
6. Key species descriptions	42
7. Conclusion	43
Solar 100 MW PV plant.....	44
Nurabad substation.....	44

Nurabad BESS	44
Solar 400 MW PV plant and pooling station	45
Solar 500 MW PV plant.....	45
Khalka substation and 360 km 550 kV OHTL	45
70 km OHTL (Pooling station – Nurabad SS)	45
Karakul BESS.....	46
8. References	47
Annex A. Photo materials on species	48
Annex B. Check list of Mammal species.....	53
Solar 100 MW PV plant.....	53
Nurabad substation.....	53
Nurabad BESS	54
Solar 400 MW PV plant and pooling station	55
Solar 500 MW PV plant.....	55
Khalka substation and 360 km 550 kV OHTL	56
70 km OHTL (Pooling station – Nurabad SS)	57
Karakul BESS.....	58

Table of Figures

Figure 1: The scheme of project sites	8
Figure 2: UZB-ACWA-Samarkand Solar 1 and Solar 2 & OHTL ESIA Project area	9
Figure 3: Habitat types — 100 MW Samarkand 1	10
Figure 4: Habitat types — Nurabad BESS (left polygon) and Nurabad Substation (right polygon).....	11
Figure 5: Habitat types — 400 MW Samarkand -1.....	12
Figure 6: Habitat types - 500 MW Samarkand 2	13
Figure 7: Khalka substation and 360 km 550 kV OHTL	13
Figure 8: Agriculture landscape in Tashkent region.....	14
Figure 9: Irrigation canal in Syrdarya region	14
Figure 10: Foothills of Nuratau mountain in Jizzak region	15
Figure 11: Karadarya river in Samarkand region.....	15
Figure 12: 70 km OHTL (Pooling station – Nurabad SS).....	15
Figure 13: Ground hills of Karnabchul steppe Samarkand region	16
Figure 14: Habitat type of the Karakul BESS - Sandy desert with psammophilous scrub	16
Figure 15: The survey points (violet points) on Solar 100 MW PV plant and its adjacent areas	18
Figure 16: The survey point (brown) on Nurabad SS	19
Figure 17: The survey points on Nurabad BESS and its adjacent areas	20
Figure 18: The survey points (red) on Solar 400 MW PV plant, pooling station, and adjacent areas.....	21

Figure 19: The survey points (brown) on Solar 500 MW PV plant and adjacent areas	22
Figure 20: The survey points including survey points and transects of Khalka substation and 360 km 550 kV OHTL	23
Figure 21: The survey points including survey points and transects of 70 km OHTL (pooling station - Nurabad SS)	25
Figure 22: Survey transects on Karakul BESS.....	26
Figure 23. Site visit tracks	27
Figure 24: Yellow suslik hole at PL-8	33
Figure 25: Footprint of Golden Jackal at PL-4.....	33
Figure 26: Skill of Brandt's Hedgehog at PL-13.....	34
Figure 27: Town of Zaisan Mole vole at PL-11	34
Figure 28: Hole of Tamarisk Gerbil at PL-21.....	35
Figure 29: Footprint of Golden Jacal at PL-24	35
Figure 30: Severtzov's Jerboa died on the road at PL-7-8.....	37
Figure 31: Severtzov's Jerboa (one more) died on the road at PL-7-8	37
Figure 32: Hole of Severtzov's Jerboa at PL-7.....	37
Figure 33: Town of Zaisan Mole vole at PL-8.....	37
Figure 34: Feeding digging of Steppe Polecat at PL-3.....	37
Figure 35: Fox at PL-3.....	37
Figure 36. Fruit garden	38
Figure 37. Vicinity of the project site, poultry farm	38
Figure 38. Yellow Ground squirrel.....	39
Figure 39. Red fox.....	39
Figure 40. Dog with ground squirrel	39
Figure 41: Photo trap were installed at the area of Nurabad Substation.	40
Figure 42: 3 Phototraps were installed at the area of 500 MW PV, 400 MW PV and Pooling station.	41
Figure 43: Hemiechinus auratus.....	48
Figure 44: Hemiechinus auratus.....	48
Figure 45: Hemiechinus hypomelas.....	48
Figure 46: Spermophilus fulvus	48
Figure 47: Spermophilus fulvus colony.....	48
Figure 48: Dropping of Spermophilus fulvus	48
Figure 49: Ellobius tancrei	49
Figure 50: Ellobius tancrei	49
Figure 51: Microtus ilaeus burrows.....	49
Figure 52: Microtus ilaeus burrows.....	49
Figure 53: Meriones libycus burrows.....	49
Figure 54: Meriones libycus burrows.....	49
Figure 55: Vulpes corsac burrow	50

Figure 56: <i>Vulpes corsac</i> burrow	50
Figure 57: <i>Vulpes corsac</i>	50
Figure 58: <i>Vulpes corsac</i>	50
Figure 59: <i>Vulpes vulpes</i> footprint	51
Figure 60: <i>Vulpes vulpes</i> footprint	51
Figure 61: <i>Vulpes vulpes</i> burrow	51
Figure 62: <i>Vulpes vulpes</i> burrow	51
Figure 63: <i>Mustela eversmanni</i> burrow.....	51
Figure 64: <i>Mustela eversmanni</i> burrow.....	51
Figure 65: <i>Felis silvestris ornata</i> burrow.....	52
Figure 66: <i>Felis silvestris ornata</i> footprints	52

Table of Tables

Table 1: The survey points and coordinates on Solar 100 MW PV plant and its adjacent areas.....	18
Table 2: The survey points and coordinates on Nurabad SS and adjacent areas.....	19
Table 3: The survey points and coordinates on Nurabad BESS and its adjacent areas	20
Table 4: The survey points and coordinates on Solar 400 MW PV plant, pooling station, and adjacent areas.....	21
Table 5: The survey points and coordinates on Solar 500 MW PV plant and adjacent areas.....	22
Table 6: The survey points and coordinates on Khalka substation and 360 km 550 kV OHTL.....	24
Table 7: The survey points and coordinates on 70 km OHTL (pooling station - Nurabad SS)	26
Table 8: Survey transects and coordinates on Karakul BESS.....	26
Table 9: Primary data of mammals recorded on Solar 100 MW PV plant.....	28
Table 10: Primary data of mammals recorded on Nurabad BESS	28
Table 11: Primary data of mammals recorded on Nurabad BESS	29
Table 12: Primary data of mammals recorded on Solar 400 MW PV plant and pooling station	30
Table 13: Primary data of mammals recorded on Solar 500 MW PV plant.....	31
Table 14: Primary data of mammals recorded in Tashkent and Syrdarya regions along 360 km OHTL	32
Table 15: Primary data of mammals recorded in Jizzak region along 360 km OHTL.....	33
Table 16: Primary data of mammals recorded in Samarkand region along 360 km OHTL	34
Table 17: Primary data of mammals recorded in Samarkand region along 70 km OHTL (Nurabad SS – Pooling station).....	35
Table 18: Primary data of mammals recorded on Karakul BESS	38
Table 19. Primary data of mammals recorded on Karakul BESS	40
Table 20: Installed photo traps and their location points.	41
Table 21: The results of Phototrap survey	41
Table 22: List of mammal species (excluding bats) potentially inhabiting the Solar 100 MW PV Plant.....	53
Table 23: List of mammal species (excluding bats) potentially inhabiting the Nurabad Substation	53
Table 24: List of mammal species (excluding bats) potentially inhabiting the Nurabad Substation	54

Table 25: List of mammal species (excluding bats) potentially inhabiting the Solar 400 MW PV plant and pooling station55

Table 26: List of mammal species (excluding bats) potentially inhabiting the Solar 500 MW PV plant.....55

Table 27: List of mammal species (excluding bats) potentially inhabiting the Khalka substation and 360 km 550 kV OHTL56

Table 28: List of mammal species (excluding bats) potentially inhabiting the 70 km OHTL (Pooling station – Nurabad SS)57

Table 29: List of mammal species (excluding bats) potentially inhabiting the Karakul BESS (Pooling station – Nurabad SS)58

1. Introduction

In accordance with the Resolutions of the President of the Republic of Uzbekistan No. PP-207 dated July 4, 2023, "On measures for the implementation of the investment project 'Construction of a 500 MW Solar Photovoltaic Power Station, a 334 MW Electric Energy Storage System, and a Substation to support its operation in the Nurabad District of the Samarkand Region — Sazagan Solar 1,'" and No. PP-208 dated July 4, 2023, "On measures for the implementation of the investment project 'Construction of a 500 MW Solar Photovoltaic Power Station, a 334 MW Electric Energy Storage System, and a Substation to support its operation in the Nurabad District of the Samarkand Region — Sazagan Solar 2,'" investment agreements were signed on April 19, 2023, between the Ministry of Investments, Industry, and Trade of the Republic of Uzbekistan, the company "ACWA Power Company" (Investor), and the companies "ACWA Power Sazagan Solar 1" and "ACWA Power Sazagan Solar 2" (hereinafter referred to as the "Project Companies") (Figure 1).

Under the aforementioned investment agreements, the Project Companies are implementing the projects "Sazagan Solar 1" and "Sazagan Solar 2," within which three solar photovoltaic power stations with a total capacity of 1000 MW and a substation with a capacity of 500/220 kV will be constructed in the Nurabad District of the Samarkand Region. Additionally, two energy storage systems will be built — one in the Nurabad District of the Samarkand Region and another in the Karakul District of the Bukhara Region. Furthermore, two parallel overhead power transmission lines with a voltage of 220 kV and a length of 70 km will be constructed to connect the main project facilities. 360 km overhead transmission line will also connect stations located in Samarkand region with the Khalka substation, located in Tashkent region.

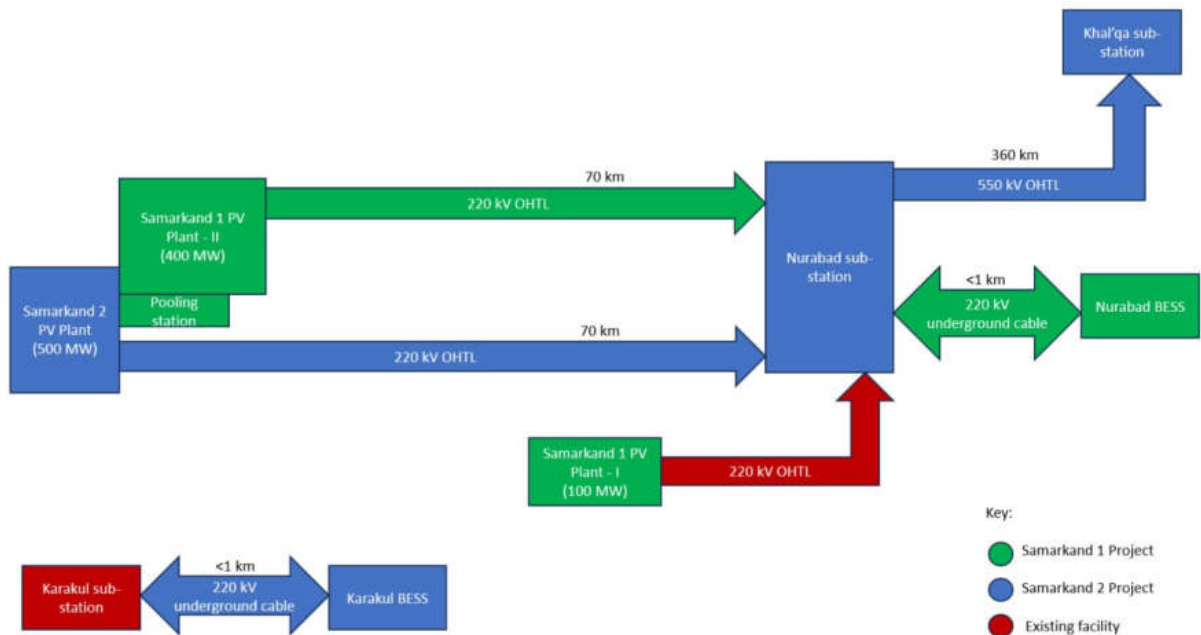


Figure 1: The scheme of project sites

The report presents data and materials from both field and desktop terrestrial mammal surveys, which include phototrapping. However, it's important to note that bat surveys are scheduled for 2024 and are not included in the current report.

2. Study Area Description

The research zone encompasses sections of Quyi Chirchiq District in the Tashkent Region, as well as Syrdarya, Mirzaabad, Akaltyn, and Sardoba Districts in the Syrdarya Region. It also includes Dustlik, Pakhtakor, Sharaf-Rashidov, and Gallaaral Districts in the Dzhizak (Jizzakh) Region, along with Bulungur, Jomboy, Payariq, Akdarya, Pastdargom, and Nurabad Districts in the Samarkand Region, as well as Karakul District in the Bukhara Region.



Figure 2: UZB-ACWA-Samarkand Solar 1 and Solar 2 & OHTL ESIA Project area

Project consists of the following parts:

- 1) Khalka substation and 360 km 550 kV OHTL
- 2) Nurabad substation and access road 5320 m
- 3) Nurabad BESS
- 4) Solar 100 MW PV plant and access road 70 m
- 5) Solar 400 MW PV plant, pooling station and access road 696 m
- 6) Solar 500 MW PV plant
- 7) Karakul BESS and access road
- 8) 70km OHTL (Nurabad SS – Pooling station)
- 9) LILO 11 km and LILO 19 km

100 MW PV plant and access road 70 m

The studied area is situated in the northern foothills of the Zarafshan Range, within the Nurabad District of the Samarkand Region in the Republic of Uzbekistan. This region is intersected from south to north by two significant dry riverbeds, Aksay and Sazagansay, which typically dry up during the summer months. The foothill plain characterizes a semi-arid, gently undulating terrain where plant species commonly found in both desert and steppe environments thrive.

The habitat presented on the site belongs mainly to the fallow lands and arable lands, which used for grazing.

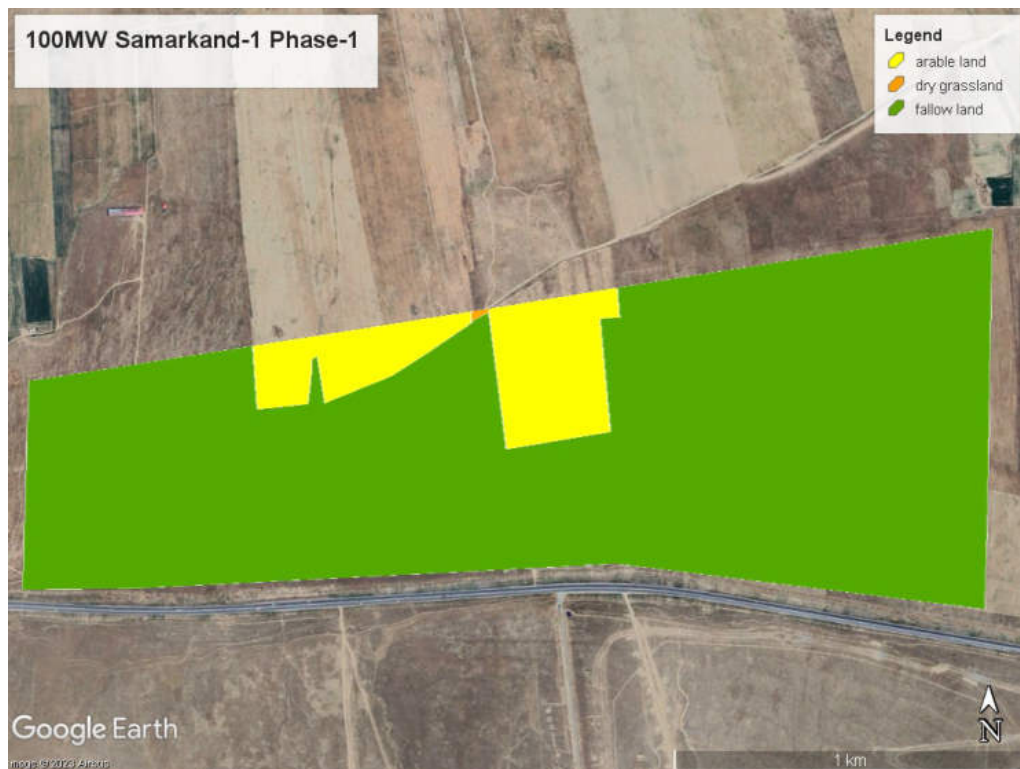


Figure 3: Habitat types — 100 MW Samarkand 1

Nurabad substation and access road 5320 m

The studied area is situated in the northern foothills of the Zarafshan Range, within the Nurabad District of the Samarkand Region in the Republic of Uzbekistan. This region is intersected from south to north by two significant dry riverbeds, Aksay and Sazagansay, which typically dry up during the summer months. The foothill plain characterizes a semi-arid, gently undulating terrain where plant species commonly found in both desert and steppe environments thrive.

The habitat presented on the site belongs mainly to the fallow lands, which used for grazing.

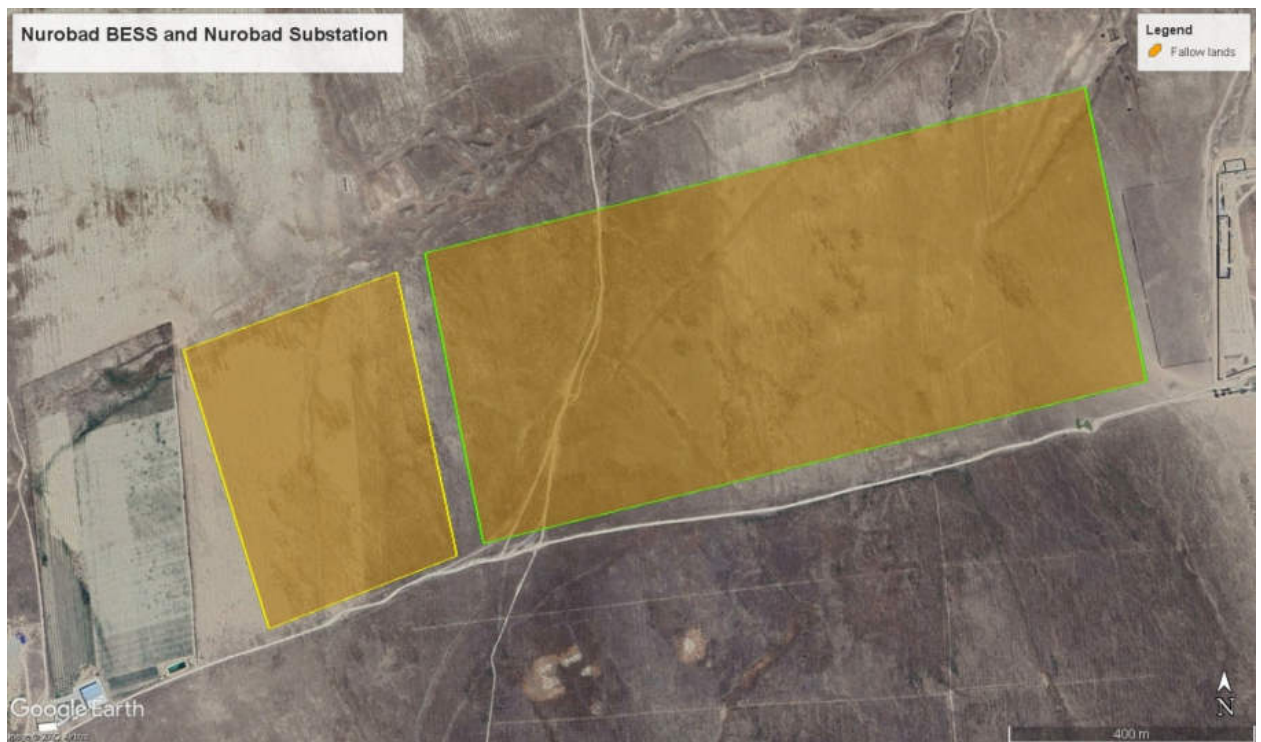


Figure 4: Habitat types — Nurabad BESS (left polygon) and Nurabad Substation (right polygon)

Nurabad BESS

The studied area is situated in the northern foothills of the Zarafshan Range, within the Nurabad District of the Samarkand Region in the Republic of Uzbekistan. This region is intersected from south to north by two significant dry riverbeds, Aksay and Sazagansay, which typically dry up during the summer months. The foothill plain characterizes a semi-arid, gently undulating terrain where plant species commonly found in both desert and steppe environments thrive.

The habitat presented on the site belongs mainly to the fallow lands (Figure 4), which used for grazing.

Solar 400 MW PV plant, pooling station and access road 696 m

The project area is located in the Karnabchul Steppe. The Karnabchul Steppe is a submontane plain of the Zarafshan Range. It extends southward from the Zirabulak and Ziyadin Mountains to the northern edge of the Shorsay salt marsh. To the east, it borders the Ulus landscape, to the southwest, it is bounded by the Karaiz upland, and to the west, by the Tudakul reservoir. Karnabchul receives surface water runoff from the Zirabulak Mountains, and in some places, the steppe is interspersed with shallow depressions and channels of temporary watercourses. The flat surface is interspersed with salt pans and depressions devoid of vegetation, such as the Shorsay salt marsh. The vegetation cover of Karnabchul is mainly composed of Artemisia ephemeral formations. Ephemeral (ephemeroid) pastures are associated with areas of submontane semideserts.

The habitat of the Solar 400 MW PV project area is characterized by fallow lands and partially dry grassland:



Figure 5: Habitat types — 400 MW Samarkand -1

Solar 500 MW PV plant

The project area is located in the Karnabchul Steppe.

The Karnabchul Steppe is a submontane plain of the Zarafshan Range. It extends southward from the Zirabulak and Ziyadin Mountains to the northern edge of the Shorsay salt marsh. To the east, it borders the Ulus landscape, to the southwest, it is bounded by the Karaiz upland, and to the west, by the Tudakul reservoir.

Karnabchul receives surface water runoff from the Zirabulak Mountains, and in some places, the steppe is interspersed with shallow depressions and channels of temporary watercourses. The flat surface is interspersed with salt pans and depressions devoid of vegetation, such as the Shorsay salt marsh. The vegetation cover of Karnabchul is mainly composed of Artemisia ephemeral formations. Ephemeral (ephemeroid) pastures are associated with areas of submontane semideserts.

The habitat of the Solar 500 MW PV project area is characterized by fallow lands and dry grasslands:

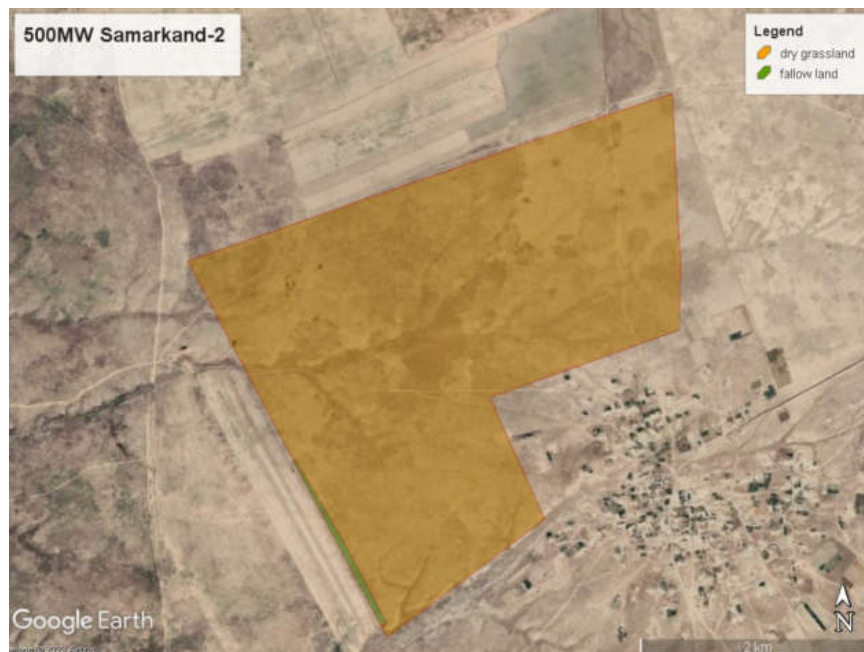


Figure 6: Habitat types - 500 MW Samarkand 2

Khalka substation and 360 km 550 kV OHTL

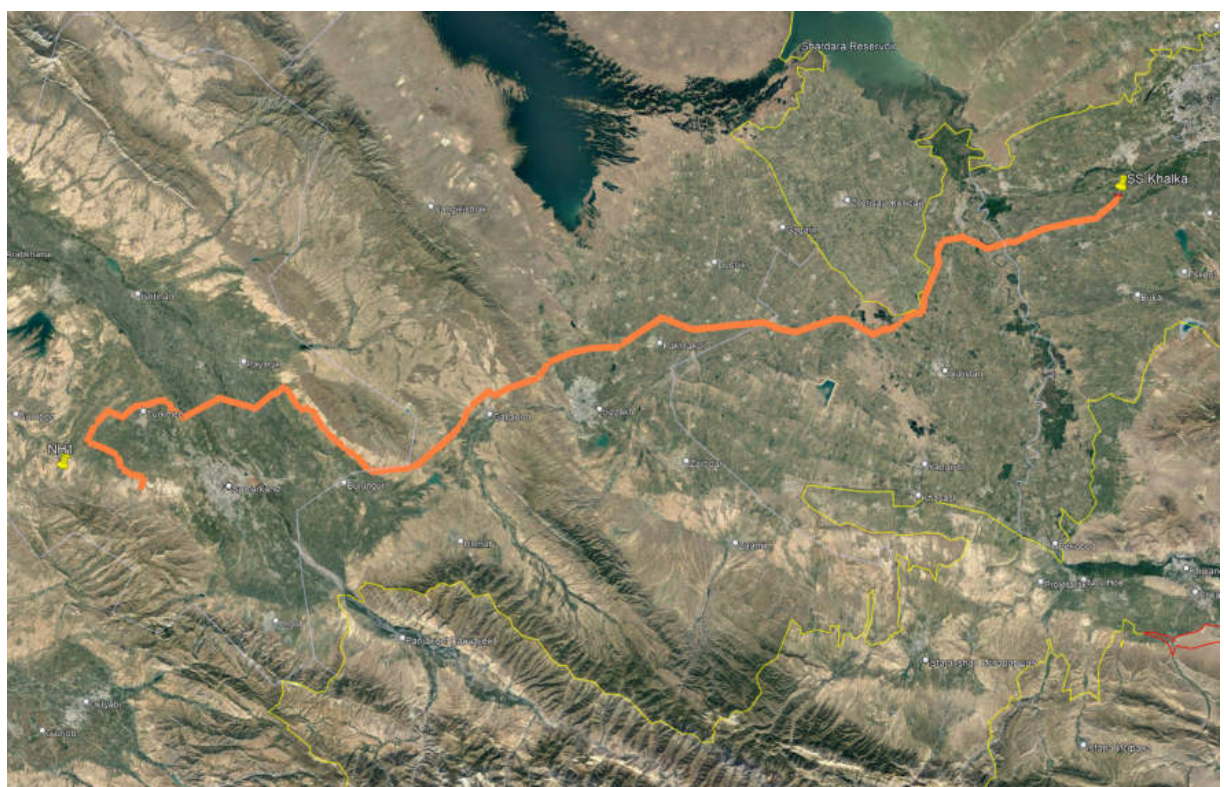


Figure 7: Khalka substation and 360 km 550 kV OHTL

360 km long overhead transmission line (OHTL) section begins in the Tashkent region, then traverses the Syrdarya and Jizzakh regions before reaching the Sazagan substation in the Samarkand region. Almost the entire length of the OHTL is situated on agricultural landscape with irrigation canal

systems. Only a few areas, bordering the foothills of Nuratau and Gobduntau, consist of natural lands and intersect with water bodies such as the Syrdarya, Karakadrya and Akdarya rivers.

Mammal fauna along the entire section of OHTL with the exception of the site in the Jizzakh region, where the line crosses the southern ends of Nuratau and the site in the Samarkand region, where the line passes through the foothills of Gobduntau, is represented typical views of the urbanized and cultivated landscape of flat Uzbekistan. In zoogeographical terms, the territory belongs to the Turanian Plain (Kostin, 1961). The main species are insectivores (Long-eared Hedgehog, Lesser Shrew) and rodents (Yellow Ground Squirrel, Bucharian Vole, Tien Shan Vole, House Mouse, Tamarisk Gerbil, Gray Hamster, Zaisan Mole Vole), which feed on such species of predatory mammals as Foxes and Steppe Cats. If there are water sources and places of shelter, the Golden Jackal is included in the complex of predatory mammals. Due to the highly transformed landscape, encounters of rare species such as Marbled Polecat, Steppe Polecat and Corsac Fox are not considered possible by us, even at the foothills of mountain ranges. Only within the Jizzakh region was a Brandt's Hedgehog observed at points. It is noteworthy that Zaisan Mole Vole was recorded only on a small number of transects - 11 out of 25, which is 44.0% for the first section. This indicates a strong transformation of natural lands, since this species avoids plowed areas.



Figure 8: Agriculture landscape in Tashkent region



Figure 9: Irrigation canal in Syrdarya region



Figure 10: Foothills of Nuratau mountain in Jizzak region



Figure 11: Karadarya river in Samarkand region

70 km OHTL (Pooling station – Nurabad SS)

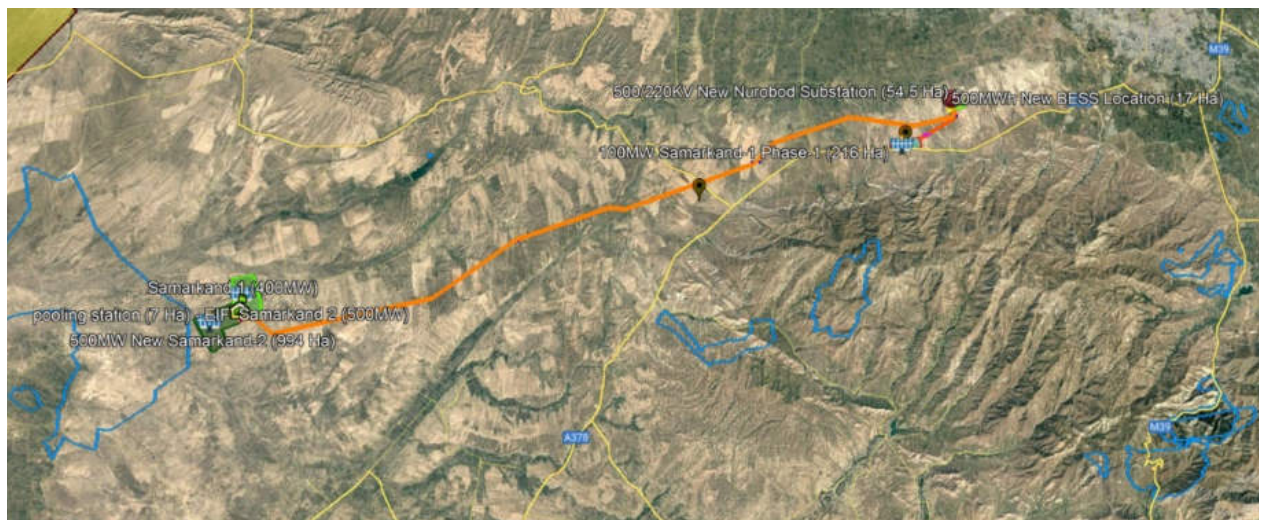


Figure 12: 70 km OHTL (Pooling station – Nurabad SS)

This OHTL site is located on the rugged terrain of the Karnabchul steppe within the Samarkand region. The territory is represented by natural (areas), although transformed by anthropogenic impact lands.