

Thank you very much for participating in this survey, it will only take about 10 minutes of your time.

By doing so you are supporting a phd thesis that aims to find out more about how people benefit from the Wadi Hanifah landscape and to explore ways to increase these benefits in the future through improved planning and design processes.

You can read the accepted PHD proposal by clicking the link below:

[PHD Proposal](#)



Wadi landscape near Riyadh

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To be able to make the benefits provided by Wadi Hanifah measurable and comparable we decided to use the **Ecosystem Services System**.

For more information on **Ecosystem Services** and how we believe this system can support this project please watch the short movie below.



Introduction video

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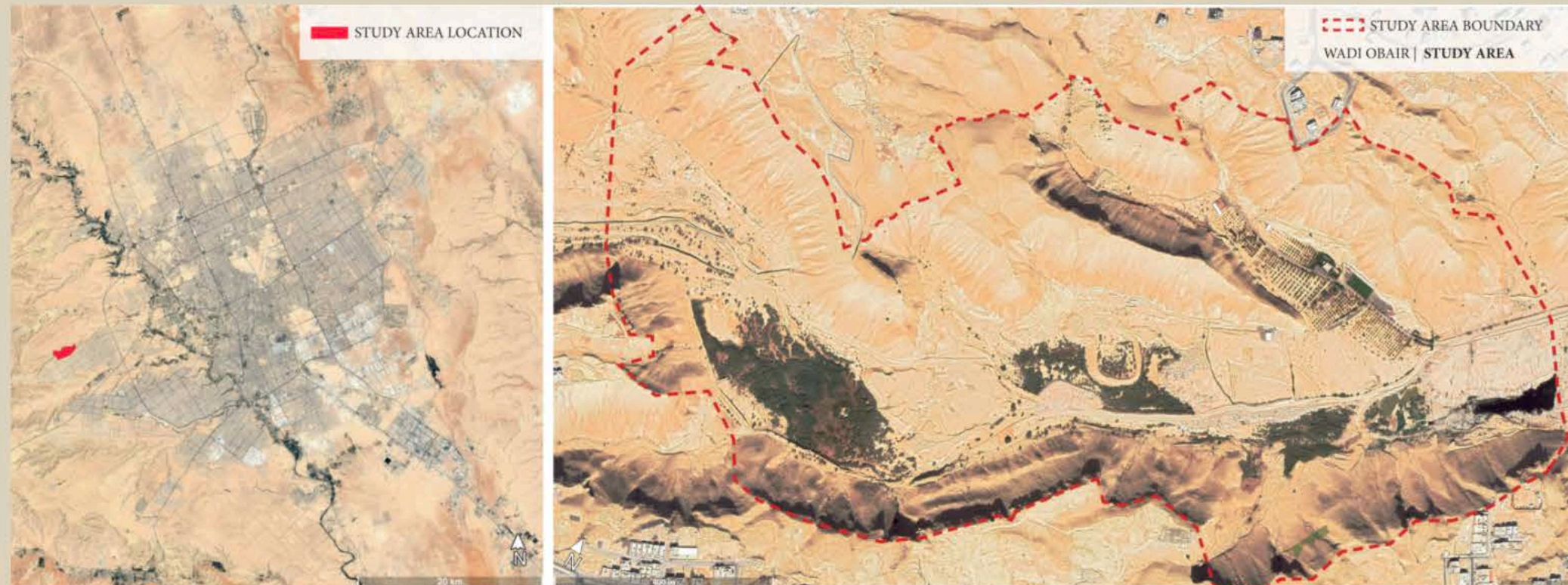
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We have identified a representative study area within the Wadi Hanifah system. The site is located within **Wadi Obair** and covers an area of approximately **3.2 square kilometres**. The following slides will provide an overview of the study area's current condition.



Study area | Wadi Obair

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We have selected the study area due its very **diverse landscape** and the **typical problems** that are evident in many of Riyadh's urban wadis. The photos below provide an overview of the **current condition of the site**.



Acacia groves along surface water run-offs



Dense bushland in water accumulating areas



Dumped rubble and large excavated areas

Study area | Site condition

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* Required Information

1. We have selected 4 Ecosystem Services that are being provided by the study area.
Please mark how important these are in your opinion for the human population of Riyadh.

	Not important	Medium important	Very important
* (a) Flood mitigation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
* (b) Habitats for flora and fauna	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
* (c) Recreation, mental and physical health	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
* (d) Improvement of the local climate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

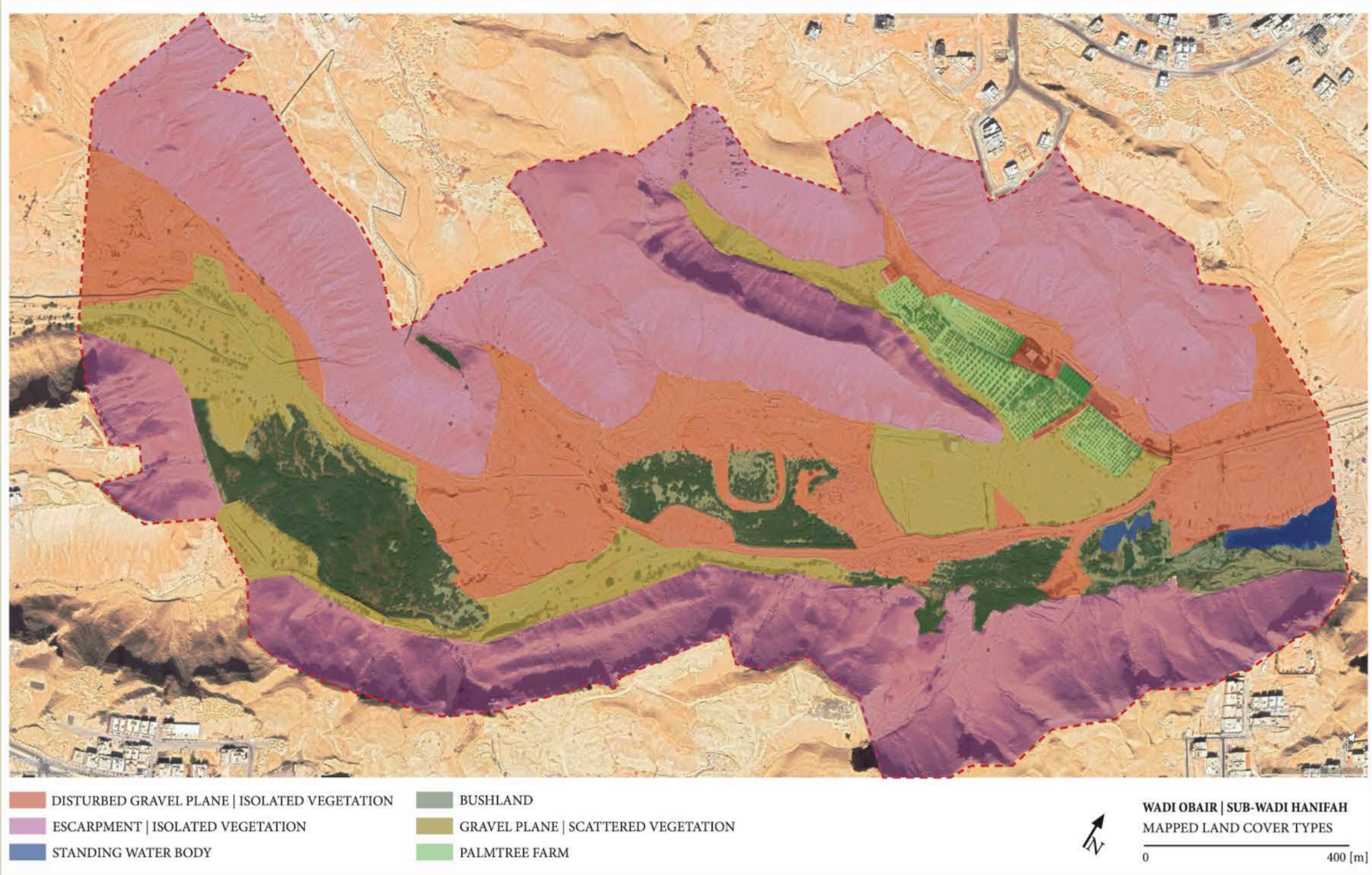
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The map above shows the **6 land-cover categories** we have identified within the study area. Through the following questions we would like to get your opinion on **how important these land-cover types are** for the provision of the selected Ecosystem Services.



Land-cover types within study area

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* Required Information

Please select how important the different land-cover types are in providing the selected Ecosystems Services.

	2. FLOOD MITIGATION			3. IMPROVEMENT OF THE LOCAL CLIMATE		
	Very important	Medium important	Not important	Very important	Medium important	Not important
(a) Disturbed gravel plane with minimal vegetation	* <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	* <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(b) Escarpment	* <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	* <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(c) Standing water body	* <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	* <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(d) Bushland	* <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	* <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(e) Natural gravel plane with Acacia trees	* <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	* <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(f) Palmtree farm	* <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	* <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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* Required Information

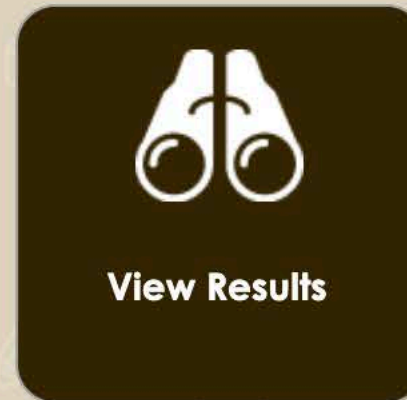
Please select how important the different land-cover types are in providing the selected Ecosystems services.

		4. HABITATS FOR FLORA AND FAUNA				5. RECREATION, MENTAL AND PHYSICAL HEALTH		
		Very important	Medium important	Not important		Very important	Medium important	Not important
(a) Disturbed gravel plane with minimal vegetation	*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(b) Escarpment	*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(c) Standing water body	*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(d) Bushland	*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(e) Natural gravel plane with Acacia trees	*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(f) Palmtree farm	*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Thank you!

Thank you for your participation. If you would like to stay informed about the progress and results of the dissertation, please email dankers@umwelt.uni-hannover.de.

Your Response has been recorded.



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