

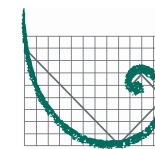
Vindorkugarður á Laxárdalsheiði

Kynning hjá Dalabyggð

Dalabyggð, 27.06.2019



MANNVIT



ERM



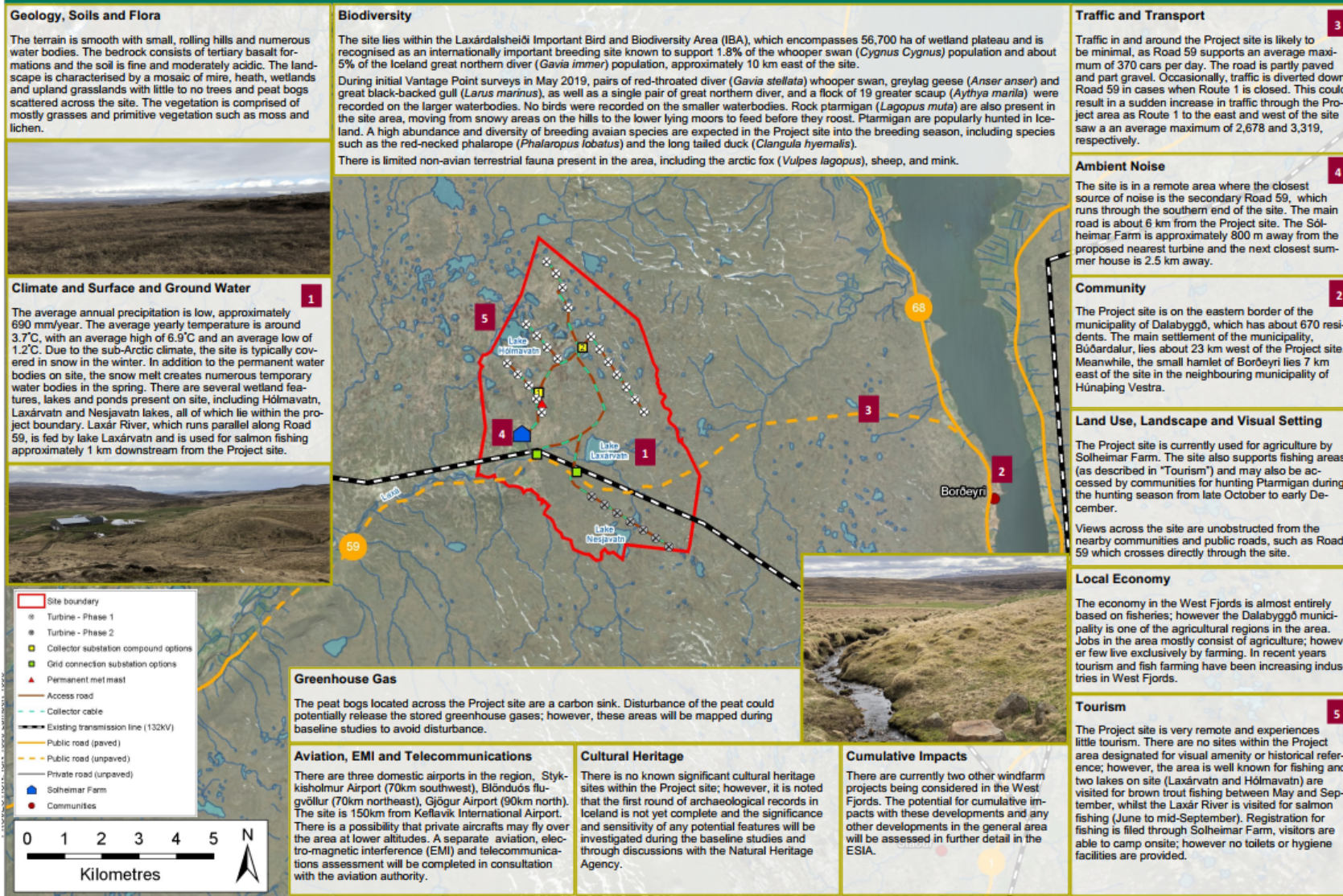
TRAUST
VÍÐSÝNI
ÞEKKING
GLEÐI

Helstu umhverfispættir



- **Loftgæði** (umferð, framkvæmdir)
- **Hljóðvist** (umferð, framkvæmdir, vindmyllur)
- **Vatnafar** (framkvæmdir og uppbygging)
- **Náttúrufar-Fuglar, gróður** (rask v. framkvæmda, rekstrartími)
- **Ferðamennska** (skert aðgengi á framkvæmdatíma, tafir, sjónræn áhrif)
- **Fornleifar** (rask v. framkvæmda)
- **Nærsamfélag** (atvinna – einkum á framkvæmda og niðurrifstíma)
- **Heilsa og vellíðan** (samskipti nærsamfélags og vinnuafis á framkv.tíma)
- **Landslag og ásýnd** (vinnuvélar og tæki á framkv.tíma. Vindmyllur og tengdar framkv.)
- **Umferð og vegakerfi** (aukin umferð og flutningur stórra tækja)
- **Úrgangur** (meðhöndlun úrgangs)
- **Samlegðaráhrif** (önnur áform um vindorkugarða á svæðinu)

Figure 5.1– Key Environmental and Social Baseline Conditions



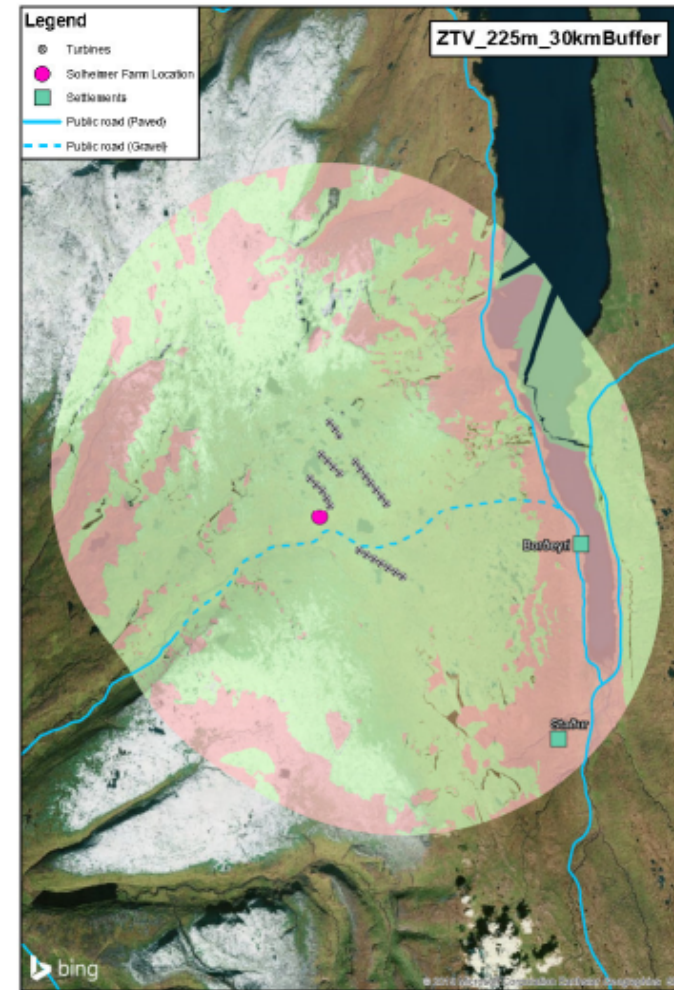
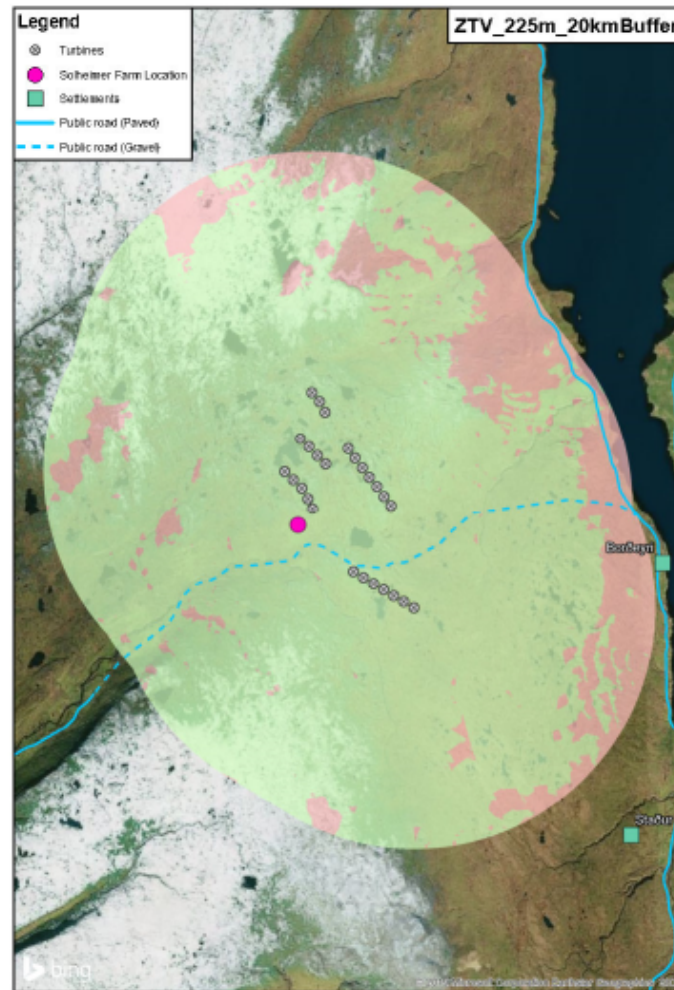
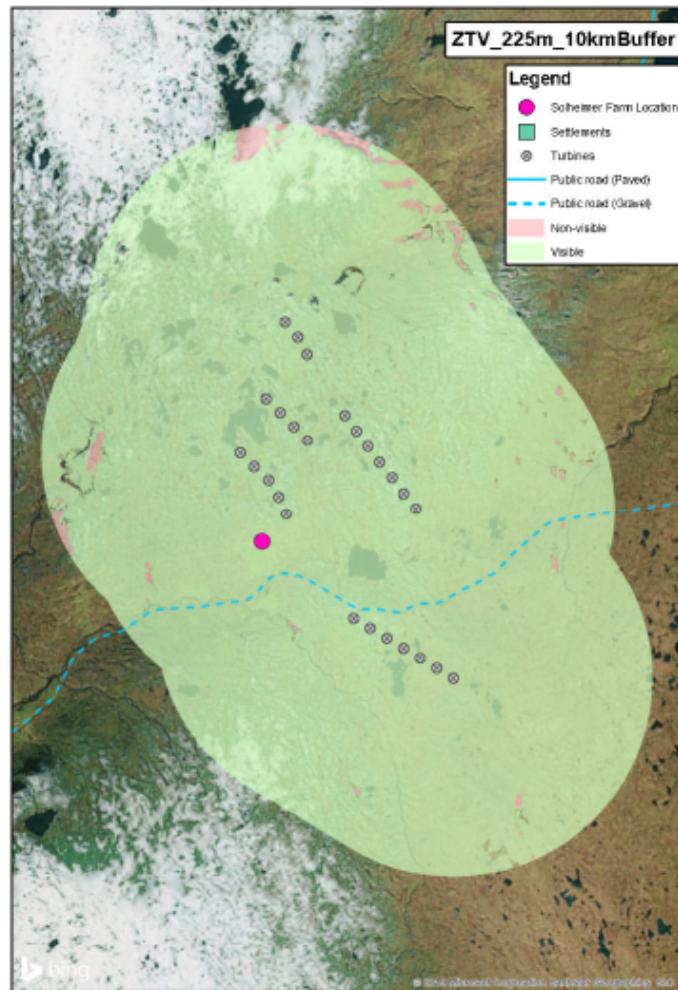
Helstu umhverfisþættir

Technical Scope

The range of environmental and social topics to be addressed in the ESIA is referred to as the *technical scope*. An assessment will be undertaken by specialists for each of the topics that have been scoped into the ESIA. The environmental and social issues that comprise the technical scope of the ESIA and the reasons for their inclusion are set out below. Note decommissioning impacts have been assumed to be comparable to construction phase impacts.

Topic	Phase	Potential source of impact	Scoped in	Scoped out	Spatial Scope	Potential affected receptors
Air quality	Construction / Decommissioning	Road traffic (dust and combustion)	✓		400m from roads and construction sites	Human health. (Note: all air quality impacts to ecology receptors have been scoped out.)
	Construction / Decommissioning	Earthworks	✓			
	All phases	Road traffic (combustion)		✓		
Ambient Noise	All phases	Road traffic		✓	1 km from activities during all phases	Solheimar Farm and nearby communities
	Construction / Decommissioning	Earthworks and construction of wind-farm	✓			
	Operation	Turbine operation and windfarm maintenance	✓			
Surface and Groundwater	Construction / Decommissioning	Earthworks and construction of wind-farm and access roads	✓		Ponds, lakes and rivers within the Project footprint and proximity	Ponds, lakes and rivers within the Project footprint and proximity
	Operation	Potential contamination events (e.g. oil spills) during operation and maintenance		✓		
Biodiversity (Birds, Flora and Fauna)	Construction / Decommissioning	Site clearance and construction of windfarm	✓		2 km buffer around footprint of construction works, plus Laxárdalsheidi Key Biodiversity Area (KBA) / Important Bird & Biodiversity Area (IBA)	Birds, flora and fauna. Potential impacts on qualifying features of KBA and IBA designations will be assessed.
	Operation	Wind turbine operation, on site electrical infrastructure and maintenance	✓			
Tourism	Construction / Decommissioning	Restricting access to site during construction, visual impact or traffic delays	✓		Construction footprint (less than 1% of total site area), onsite access and public road network during construction	Tourists in vicinity or recreational users of the site (i.e. fishermen, hunters)
	Operation	Visual impact of wind turbines	✓			
Cultural heritage	Construction / Decommissioning	Site clearance and earthworks	✓		Construction footprint	Chance finds, intangible heritage
Local Economy	All phases	Employment (mostly during construction and decommissioning)	✓		Surrounding local communities, (i.e. Búðardalur and Borðeyri) and region	Nearby settlements and wider regional/national economy
Land Use and Land Take	Construction / Decommissioning	Agricultural land take		✓	Land used within the Project footprint (i.e. Solheimar Farm)	Scoped out, land take during construction is within a limited area (less than 1% of total site)
	Operations	Agricultural land take		✓		
Community Health and Safety	All phases	Community / workforce interactions (primarily for construction)	✓		Surrounding local communities (i.e. Búðardalur and Borðeyri), road users on existing roads and workers.	Nearby communities and road users
Landscape and Visual	All phases	Presence of construction equipment (temporary), turbines and Project infrastructure (permanent) in a natural landscape	✓		Public road network utilised for the Project and communities within 10km of the site.	Nearby, residents communities and road users
Traffic and road infrastructure	Construction / Decommissioning	Increased road traffic and transportation of oversized or heavy loads	✓		Regional and local public road network	Users of the public road
Waste	All phases	Waste disposal and management	✓		On-site waste management and location of off-site waste treatment and disposal facilities utilised by the Project.	Infrastructure (waste disposal sites), soil and groundwater near sites
Cumulative Impacts	All phases	Other developments in the area (e.g. other windfarm developments)	✓		Various depending on type of development, within 30km	Birds, changes to landscape character and land take
Climate Change	All phases	Greenhouse gas generating activities (scoped out as operational emissions will be below 25,000 tonnes CO ₂ e per year)		✓	N/A	N/A
	All phases	Climate change risk assessment (scoped out as low risk of climate change impacting the Project (e.g. increased flood risk))		✓	N/A	N/A

ZTV-Fræðilegur sýnileiki



Möguleg ásynd



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