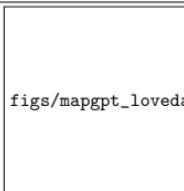
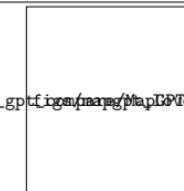
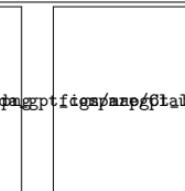
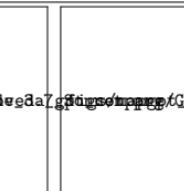
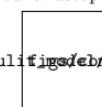


Table 1: Comparison of layout generation capabilities on LovaDA and Wild datasets.

Fixed-Height Layout Generation with Textual Instructions							
Instruction	Layout Instruction: The map displays a mix of land cover types with farmlands occupying the central area, interspersed with buildings. Roads traverse the farmlands and a few buildings are clustered near the center. Bodies of water are mainly on the right, with one extending towards the upper section. Forested regions are on the left, while barren land is scattered throughout, predominantly on the right.						
Legend	Grassland	Forest	Farmland	Water	Road	Building	Barren
Generated Layout					figs/mapgpt_loveda.gpt figs/mapgpt_loveda.gpt figs/mapgpt_loveda.gpt figs/mapgpt_loveda.gpt	figs/mapgpt_loveda.gpt figs/mapgpt_loveda.gpt figs/mapgpt_loveda.gpt figs/mapgpt_loveda.gpt	figs/mapgpt_loveda.gpt figs/mapgpt_loveda.gpt figs/mapgpt_loveda.gpt figs/mapgpt_loveda.gpt
	LatticeWorld	Claude 3.7 Sonnet	GPT-4o	DeepSeek-R1			

Variable-Height Layout Generation with Multimodal Instructions							
Instruction	Layout Instruction: The map shows a large area of snow-capped terrain dominating the right side, extending from the upper to the lower regions. Surrounding this, especially concentrated on the left from upper to lower, are regions indicative of low vegetation or grasslands, with patches interspersed throughout the central and right areas, creating a mixed landscape.						
Legend	Grassland	Forest	Rocky	Water	Snow		
Generated Layout			figs/compare_diff_multimodel/Sketch figs/compare_diff_multimodel/HeightMap	figs/compare_diff_multimodel/Sketch figs/compare_diff_multimodel/HeightMap	figs/compare_diff_multimodel/Sketch figs/compare_diff_multimodel/HeightMap	figs/compare_diff_multimodel/Sketch figs/compare_diff_multimodel/HeightMap	figs/compare_diff_multimodel/Sketch figs/compare_diff_multimodel/HeightMap
	LatticeWorld	Claude 3.7 Sonnet	GPT-4o	Qwen2-VL-Max			