

In this supplementary material are presented the images in text with higher resolution and also complementary images showing all the geography of Westeros and the analysis made. The correspondence of the images showed in text and the ones in this supplementary material is the following:

Text	Extra material
Fig. 1	Fig. 16
Fig. 2	Fig. 1
Fig. 3	Fig. 3
Fig. 4	Figs. 9 and 11
Fig. 5	Fig. 15
Fig. 6	Figs. 17 and 18
Fig. 7	Fig. 19
Fig. 8	Figs. 20 and 21
Fig. 9	Fig. 39
Fig. 10	Fig. 40
Fig. 11	Fig. 41

All this material can be divided in three major groups: georeferenced geography of Westeros (Figs. 1 to 14), spatial analysis of Westeros, mainly Voronoi/Thiessen polygons (Figs. 15 to 38) and Building Archaeology (Figs. 39 to 41).

Fig. 1: Sources of Westeros GIS.

Fig. 2: Physical map of Westeros.

Fig. 3: Political map of the Seven Kingdoms with each kingdom's surface.

Fig. 4: Political map of Beyond the Wall.

Fig. 5: Political map of the Wall and Night's Watch's castles.

Fig. 6: Political map of the North.

Fig. 7: Political map of the Iron Islands.

Fig. 8: Political map of the Riverlands.

Fig. 9: Political map of the Vale.

Fig. 10: Political map of the Crownlands.

Fig. 11: Political map of the Westerlands.

Fig. 12: Political map of the Reach.

Fig. 13: Political map of the Stormlands.

Fig. 14: Political map of Dorne.

Fig. 15: Centroids of the nine regions of the Seven Kingdoms.

Fig. 16: Battles by location.

Fig. 17: Kernel density of the battles of the War of the Five Kings.

Fig. 18: The War of the Five Kings in the Riverlands.

Fig. 19: Voronoi polygons and the central places (castles, cities and towns) used to calculate them.

Fig. 20: Central places of the Voronoi/Thiessen polygons in the North.

Fig. 21: Influence area of the noble Houses of the North through Voronoi/Thiessen polygons. This figure is broadly commented on text.

Fig. 22: Central places of the Voronoi polygons in the Iron Islands.

Fig. 23: Influence area of the noble Houses of the Iron Islands through Voronoi/Thiessen polygons. In the case of the Iron Islands is very hard to think that noble Houses ruled over more than one island such as the results for Wynch, Stalcliffe or Blacktyde. For this reason, I made a more logical division, see Fig. 24.

Fig. 24: Influence area of the noble Houses of the Iron Islands through Voronoi/Thiessen polygons. Modified to include two Houses known in Orkmont Island, the Orkwood and Tawney. We do not know the exact seat of this two Houses so I decided to be on opposite sides of the island to share jurisdiction over it. We have a more coherent division by adding these two and restricting the territory of the other to the islands in which their castles are based.

Fig. 25: Central places of the Voronoi polygons in the Riverlands.

Fig. 26: Influence area of the noble Houses of the Riverlands through Voronoi/Thiessen polygons. In this case we do not know who rules over Fairmarket town at the time of the War of the Five Kings. Also, the situation given to the Vance family is not showed in canon cartography and their fortress is not known. But, knowing that they are located in the western part of the riverlands and were tasked by Edmund Tully to protect the border from the Lannister along with the Piper (*GoT* 41 Catelyn VII) and that the Smallwood family is sworn to them (*SoS* 23 Arya IV), we decided that this area, that includes Stoney Sept, with not known lord is territory of the Vance of Wayfarer's Rest. The location of the other branch of the Vance, the ones of Atranta, is also unknown.

Fig. 27: Central places of the Voronoi polygons in the Vale.

Fig. 28: Influence area of the noble Houses of the Vale through Voronoi/Thiessen polygons. In the Vale we have to take into account that the western mountains of this kingdom, mainly the Mountains of the Moon, are the territory of the Clans of the Mountain, although *de iure* are the lands of House Arryn and Belmore. In the Vale we have the only known vassal House, the Coldwater, that is not adjacent to their overlords, the Royce.

Fig. 29: Central places of the Voronoi polygons in the Crownlands.

Fig. 30: Influence area of the noble Houses of the Crowlands through Voronoi/Thiessen polygons. It is hard to think that House Rosby's territory reaches the other side of the Blackwater Bay, so it is possible that in the south part of the bay exists one or more Houses not known in the books. Also the Stokworth castle should be in some place north to King's Landing, near to Rosby. And in the Crackclaw Point we know about the

existence of minor Houses like Boggs, Brune, Cave, Crabb, Hardy and Pyne (*FfC* 21 Brienne IV), but their exact location is unknown.

Fig. 31: Central places of the Voronoi polygons in the Westerlands.

Fig. 32: Influence area of the noble Houses of the Westerlands through Voronoi/Thiessen polygons. Probably House Clegane territory is overrepresented, being a minor House of landed knights of only three generations of history. Their towerhouse, south to Lannisport, is probably surrounded by lands under direct rule of Lannister.

Fig. 33: Central places of the Voronoi polygons in the Reach.

Fig. 34: Influence area of the noble Houses of the Reach through Voronoi/Thiessen polygons. The most outstanding fact of the jurisdiction of the different Houses is the great territorial power of the Hightowers, with five sworn Houses (Beesbury, Bulwer, Costayne, Cuy and Mullendore), ruling over all the final part of the Mander river.

Fig. 35: Central places of the Voronoi polygons in the Stormlands.

Fig. 36: Influence area of the noble Houses of the Stormlands through Voronoi/Thiessen polygons. House Fell's territory seems too big for the little that we know about this family, but this may be because the Kingswood is a low populated area.

Fig. 37: Central places of the Voronoi polygons in Dorne.

Fig. 38: Influence area of the noble Houses of Dorne through Voronoi/Thiessen polygons. For Dorne, we do not know to which House or Houses belong the mountain area of the Tower of Joy and Vulture's Roost. Being in the core of the Red Mountains this is also a marginal area.

Fig. 39: Building phases of Winterfell. Base map: fan made map of Winterfell https://awoiaf.westeros.org/index.php/File:Winterfell_map.png

Fig. 40: Winterfell building phases.

Fig. 41: Evolution phases of the Red Keep.