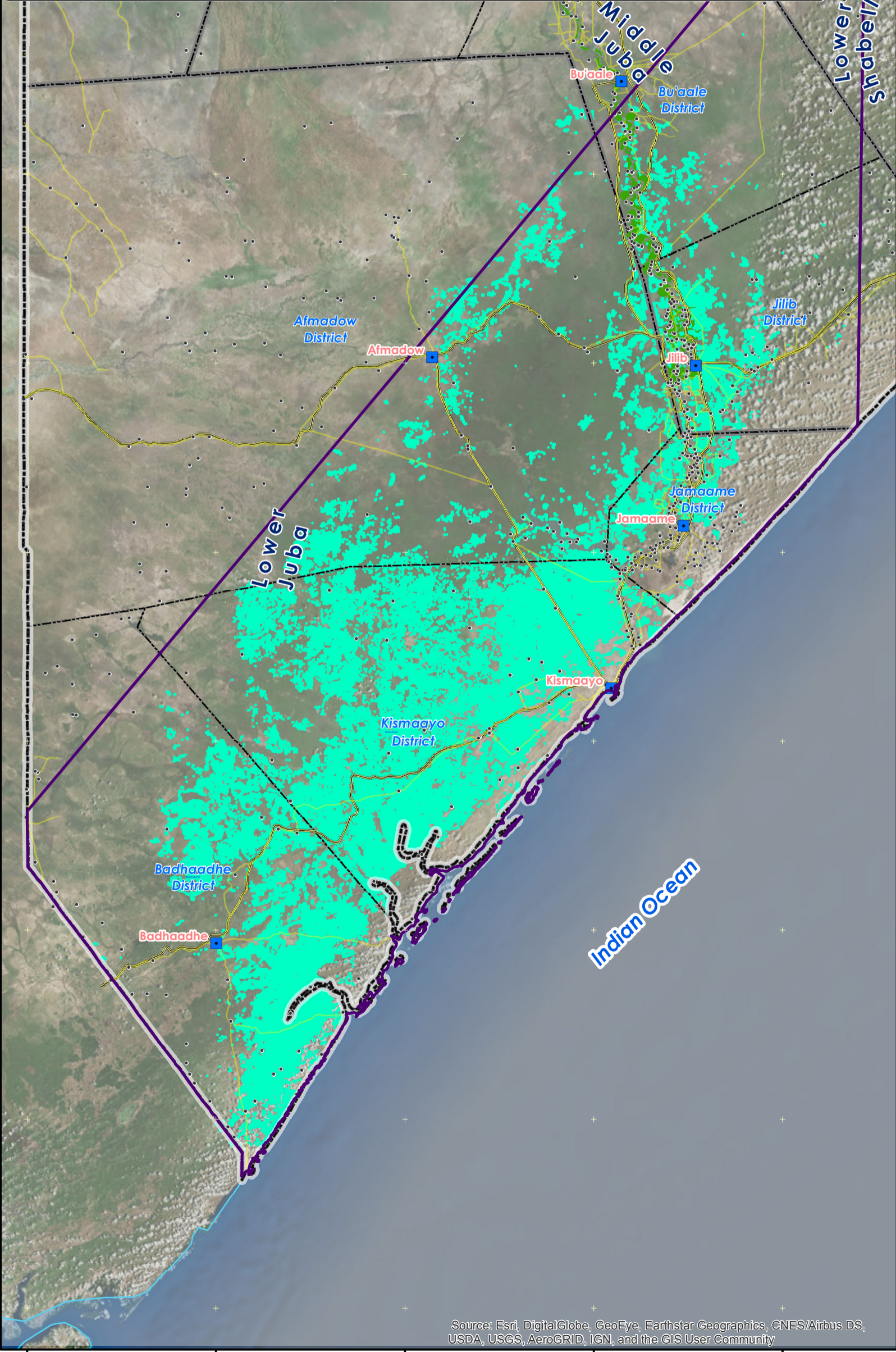


Analysis Results Based on The Image Coverage Analysed for The Three Periods			
Period	Detected Charcoal Sites (#)	Charcoal Production (tons)	Charcoal bags (#)
2011-2013	121,999	242,239	8,971,830
2014-2016	60,478	122,652	4,542,663
2017	49,224	79,109	2,929,951
<b>Total</b>	<b>231,701</b>	<b>444,000</b>	<b>16,444,444</b>

Analysis Results Considering Only Overlapping Image Coverage Available For All the three Periods			
Period	Detected Charcoal Sites (#)	Charcoal Production (tons)	Charcoal bags (#)
2011-2013	107,420	211,033	7,816,048
2014-2016	56,466	114,710	4,248,527
2017	46,418	76,686	2,840,229
<b>Total</b>	<b>210,304</b>	<b>402,429</b>	<b>14,904,804</b>



**Legend**

- Kiln Sites 2011- 2017
- Settlement
- Major town
- Major river
- Major road
- Minor road
- District boundary
- Region boundary
- Image Coverage overlap
- Proscal Study Area

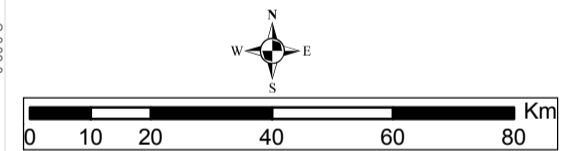
Site Radius (m)	Charcoal mean (Kg)	Bag Mean (#)
1	252	9
2	675	25
3	1,329	49
4	2,244	83
5	3,420	127
6	4,858	180
7	6,557	243
8	8,518	315
9	10,740	398
10	12,636	468

Satellite data:  
 Multi-temporal VHR imagery; WV 1,2,3, GeoEye & QuickBird  
 Date of Acquisition: between 2011 to 2017.  
 Imagery source: ESA, USGS  
 Other dataset: UNDP, FAO-SWALIM, OCHA  
 Analysis: FAO-SWALIM  
 Software: ArcGIS v10.2.1

Please note; since there was no homogenous imagery coverage of each year due to unavailability of images & cloud cover, data was aggregated into three periods: 2011-2013, 2014-2016 and 2017

The Conversion Table above is as a result of the methodology described in PROSCALreport 2018 ( Michele Bolognesi & Ugo Leonardo Report January 2018) Shows charcoal amounts produced per site, based on Kiln radius size and equivalent number of charcoal bags

Report: <http://somalicharcoal.com/downloads/FA%20PROSCAL%20SWALIM%20report.pdf>



Map Reference: PROSCAL -CHAR-KILNS- 2018-20180606-A3-001

Map Produced by: The Somalia Water and Land Information Management Project (SWALIM).

SWALIM is a multi-donor project implemented by the United Nation's Food & Agriculture Organization

The boundaries and names on this map do not imply official endorsement or acceptance by the United Nations.

For copies of digital data please contact: [swalim@fao.org](mailto:swalim@fao.org)  
 Map projection: Geographic Coordinates, WGS 84 datum.