



**15<sup>TH</sup> NATIONAL  
CONVENTION  
ON STATISTICS**

03-05 OCTOBER 2022

*Organized by the Philippine Statistical System  
Spearheaded by the Philippine Statistics Authority*



# **Caraga Asset Account for Non-metallic Mineral Resources: 2015-2019**

**Jerilyn B. Matutod**

Senior Statistical Specialist

Philippine Statistics Authority RSSO XIII

Crowne Plaza Galleria Manila

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## Outline

- Introduction
- Objectives
- Preparation of the Compilation
- Results
- Ways Forward



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## Introduction

- Caraga has been known for the abundance of mineral resources.
- The region produces non-metallic minerals particularly, but not limited to:



Sand and Gravel



Limestone



Pebbles



Boulders



Blasted Rock



Other Aggregates



## Introduction

- The non-metallic mineral industry in the region is mostly operated by small-scale mining and quarrying operators.
- Significant roles of non-metallic minerals:



serve as raw materials  
in diverse industrial and  
construction industry



contribute to the growth of the construction  
industry, manufacturing industry, transportation  
and storage industry, and wholesale, retail and  
trade industry



provides employment  
to the community

## Introduction

Table 1. Percent Share of Mining and Quarrying (MAQ) at 2018 Constant Prices to GRDP, Stone Quarrying and Other Mining and Quarrying Activities to MAQ, and Percent Share of Employed Persons in MAQ Industry, Caraga: 2019

	2019
MAQ's share to GRDP	9.59
Share of Stone Quarrying and Other Mining and Quarrying Activities to MAQ Industry	11.73
Share of Employed Persons in MAQ to Total Employment	2.78

Source: Philippine Statistics Authority

## Objectives

- to account the volume of production of non-metallic minerals and its corresponding value;
- to estimate the physical asset account of sand and gravel;
- to determine the distribution of non-metallic minerals to the total non-metallic mineral production in the region; and
- to map the location and distribution of non-metallic minerals in the region.





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## Preparation of the Compilation



Data Sources:

- MGB
- LGUs/PMRB/PENRO

**Data Collection, Compilation,  
and Estimation**



- SEEA Central Framework
- AO No. 2010-21
- Provincial Ordinances

**Preparation of Preliminary  
Estimates**



Data  
Consultation with  
MAS-ENRAD  
and TWG

**Data Consultation**



**Finalization of Technical  
Report**

Presentation to:

- RSC
- RDC
- NS Mapa



**Output Presentation**

Solicitation of inputs  
from TWG and  
Steering Committee



**Write-up Preparation**



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## Results

Table 2. Production of Non-metallic Mineral Resources, Caraga: 2015-2019

Commodity	Volume (in Million Cubic Meter)					Value (in Million Pesos)				
	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019
Sand and Gravel	1.23	1.58	0.58	3.01	2.45	22.81	33.57	26.48	74.44	75.95
Limestone	0.03	0.05	0.04	0.13	0.10	1.69	2.62	1.98	6.30	5.16
Blasted Rock	0.02	0.02	0.01	0.01	0.35**	0.49	0.82	0.24	0.73	0.18
Mountain Mix	0.03	-	0.02	0.01	0.02	0.52	-	0.60	1.05	1.13
Pebbles	0.24*	-	-	-	-	0.60**	-	-	-	-
Boulder	-	-	-	-	0.24	-	-	-	-	6.21
Other Aggregates	0.01	0.01	0.12**	0.09	0.89	0.11	0.16	0.02	1.16	104.42

Note: Other aggregates include earthfill, base coarse, and filling/aggregate materials

(\*) in thousand

(\*\*) in ten thousand

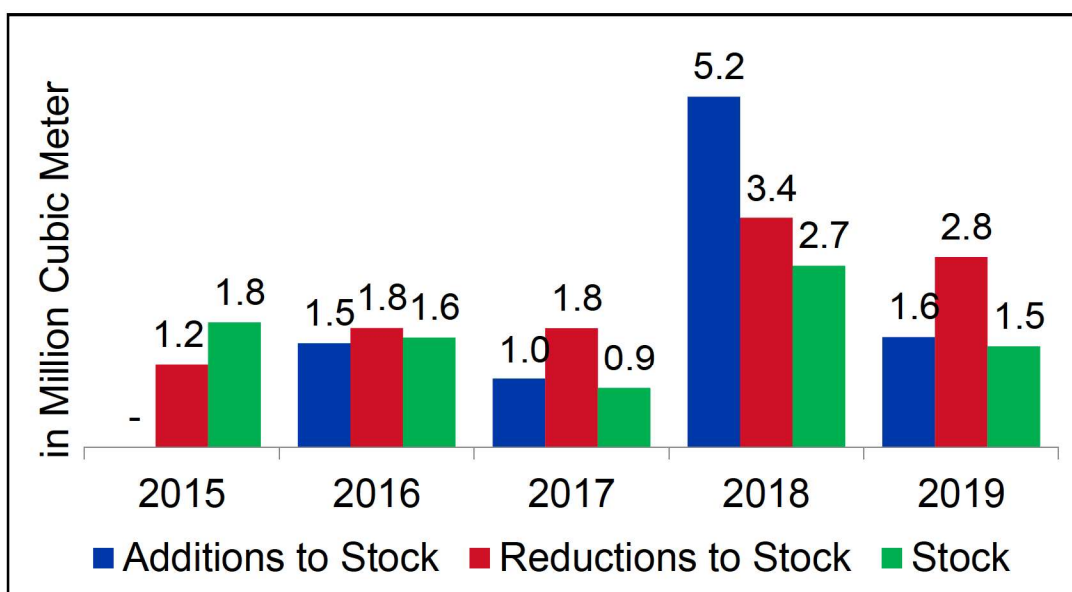
(-) No available data/no production

Consolidated data from:

MGB RO XIII, ADN, ADS, SDN, SDS, and PDI



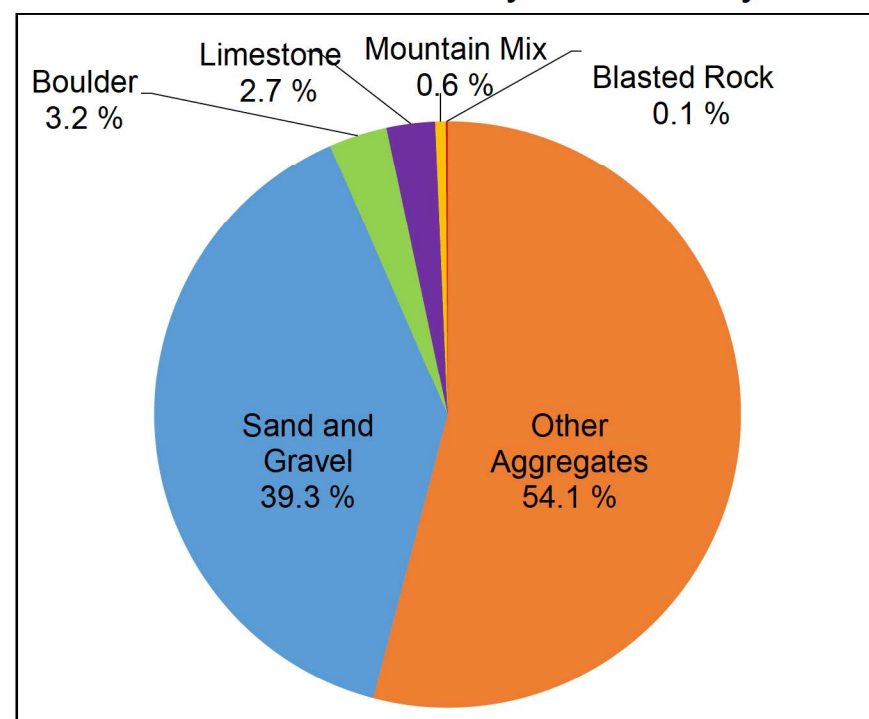
Figure 1. Physical Asset Account of Sand and Gravel, Caraga: 2015-2019 (in Million Cubic Meters)



Source: Philippine Statistics Authority Caraga

Note: (-) nil or zero

Figure 2. Percent Distribution of Non-metallic Mineral Production Value by Commodity: 2019





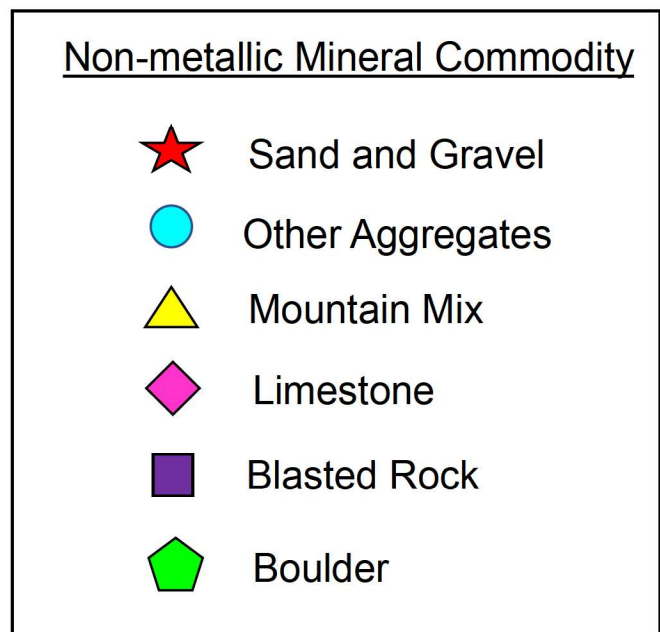
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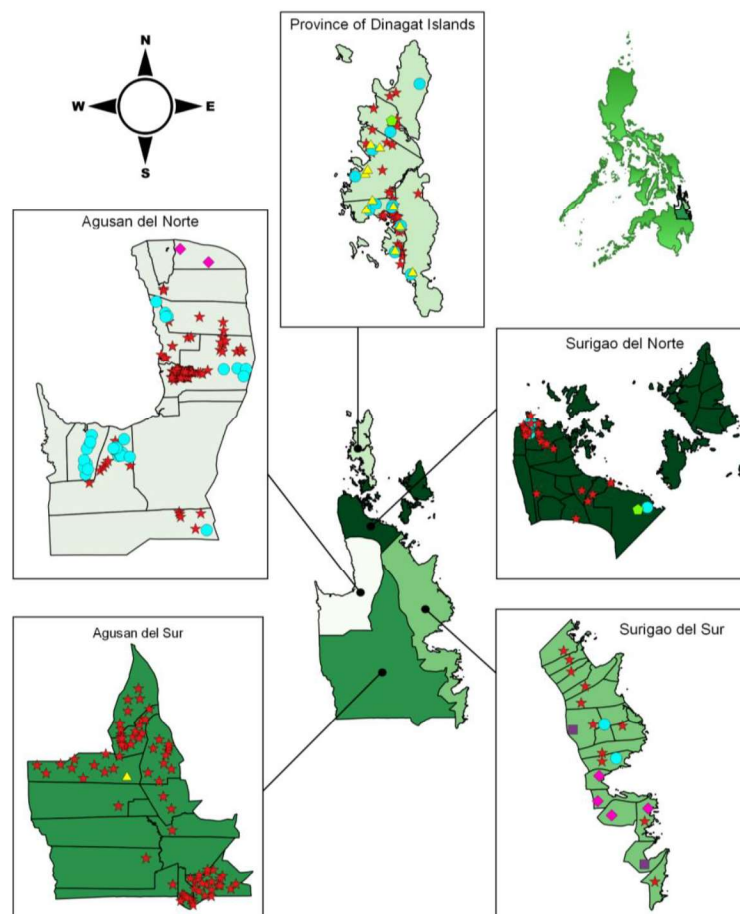
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Figure 3. Location Map of  
Non-metallic Mineral Commodities  
Produced by Province (as of 2019)



Source: Philippine Statistics Authority RSSO XIII



## Ways Forward

- Improvement or development of monitoring systems and timely submission of data especially on the small-scale mining and quarrying;
- Enhancement of systematic database as well as standardization of indicators/data to obtain uniformity and reliable statistics of the accounting; and
- Continuous support of the concerned agencies and data sources.





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## Thank you!



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