



REPUBLIK INDONESIA  
KEMENTERIAN HUKUM DAN HAK ASASI MANUSIA

## SURAT PENCATATAN CIPTAAN

Dalam rangka perlindungan ciptaan di bidang ilmu pengetahuan, seni dan sastra berdasarkan Undang-Undang Nomor 28 Tahun 2014 tentang Hak Cipta, dengan ini menerangkan:

Nomor dan tanggal permohonan : EC00201940444, 17 Mei 2019

**Pencipta**

Nama : **Dr. Nurjannah Nurdin, ST., M.Si.**

Alamat : Perum. Dosen Unhas Tamalanrea Jl. Ibnu Sina Blok GB No. 79 A, Makassar, Sulawesi Selatan, 90245

Kewarganegaraan : Indonesia

**Pemegang Hak Cipta**

Nama : **LPPM Universitas Hasanuddin**

Alamat : Jl. Perintis Kemerdekaan Km. 10, Tamalanrea, Makassar, Sulawesi Selatan, 90245

Kewarganegaraan : Indonesia

Jenis Ciptaan : **Basis Data**

Judul Ciptaan : **Database Spasial Data Dinamika Spasial 41 Tahun Kondisi Ekosistem Perairan Dangkal Kepulauan Spermonde, Sulawesi Selatan, Indonesia**

Tanggal dan tempat diumumkan untuk pertama kali di wilayah Indonesia atau di luar wilayah Indonesia : **25 April 2014, di Makassar**

Jangka waktu perlindungan : Berlaku selama 50 (lima puluh) tahun sejak Ciptaan tersebut pertama kali dilakukan Pengumuman.

Nomor pencatatan : 000142306

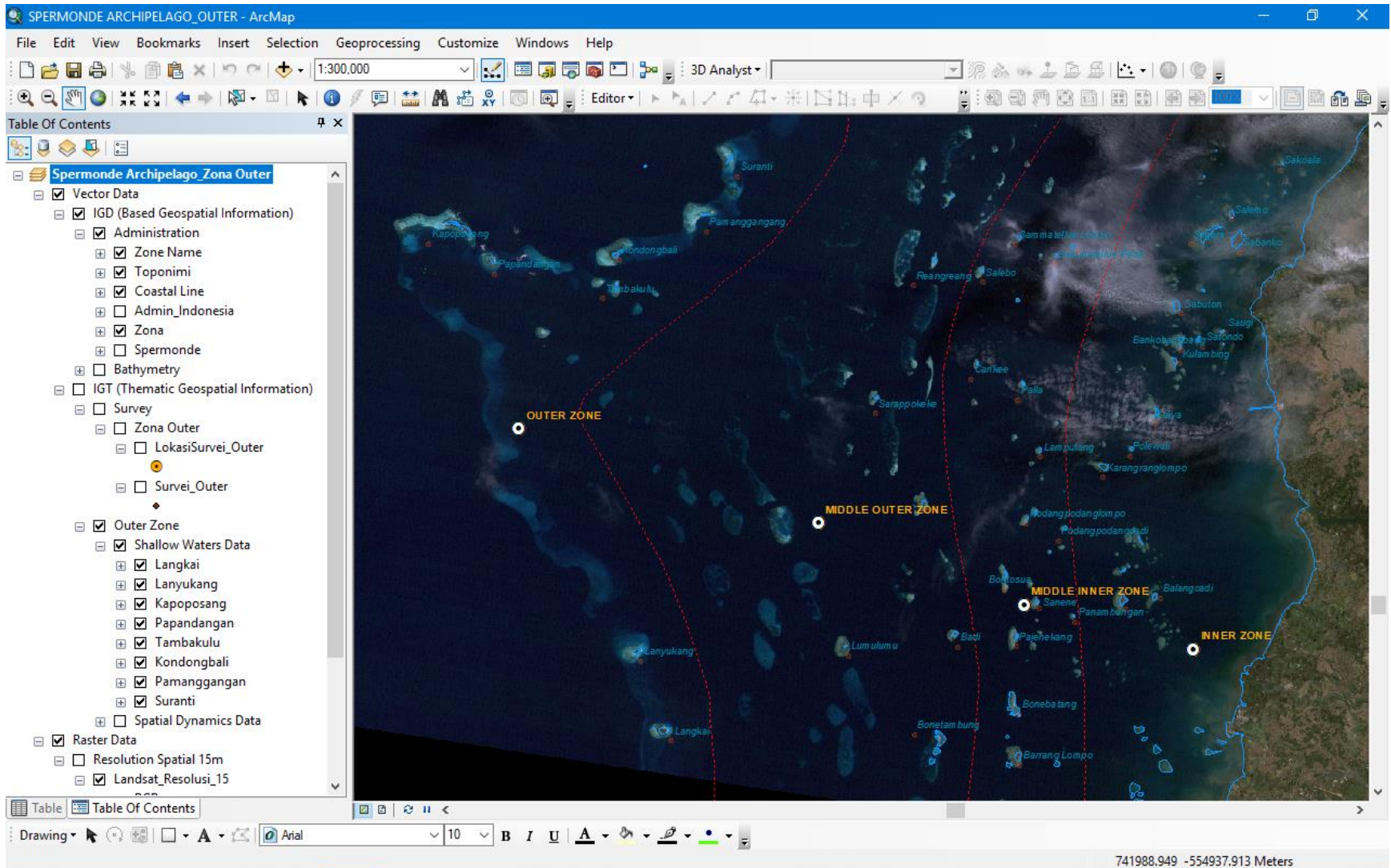
adalah benar berdasarkan keterangan yang diberikan oleh Pemohon.  
Surat Pencatatan Hak Cipta atau produk Hak terkait ini sesuai dengan Pasal 72 Undang-Undang Nomor 28 Tahun 2014 tentang Hak Cipta.



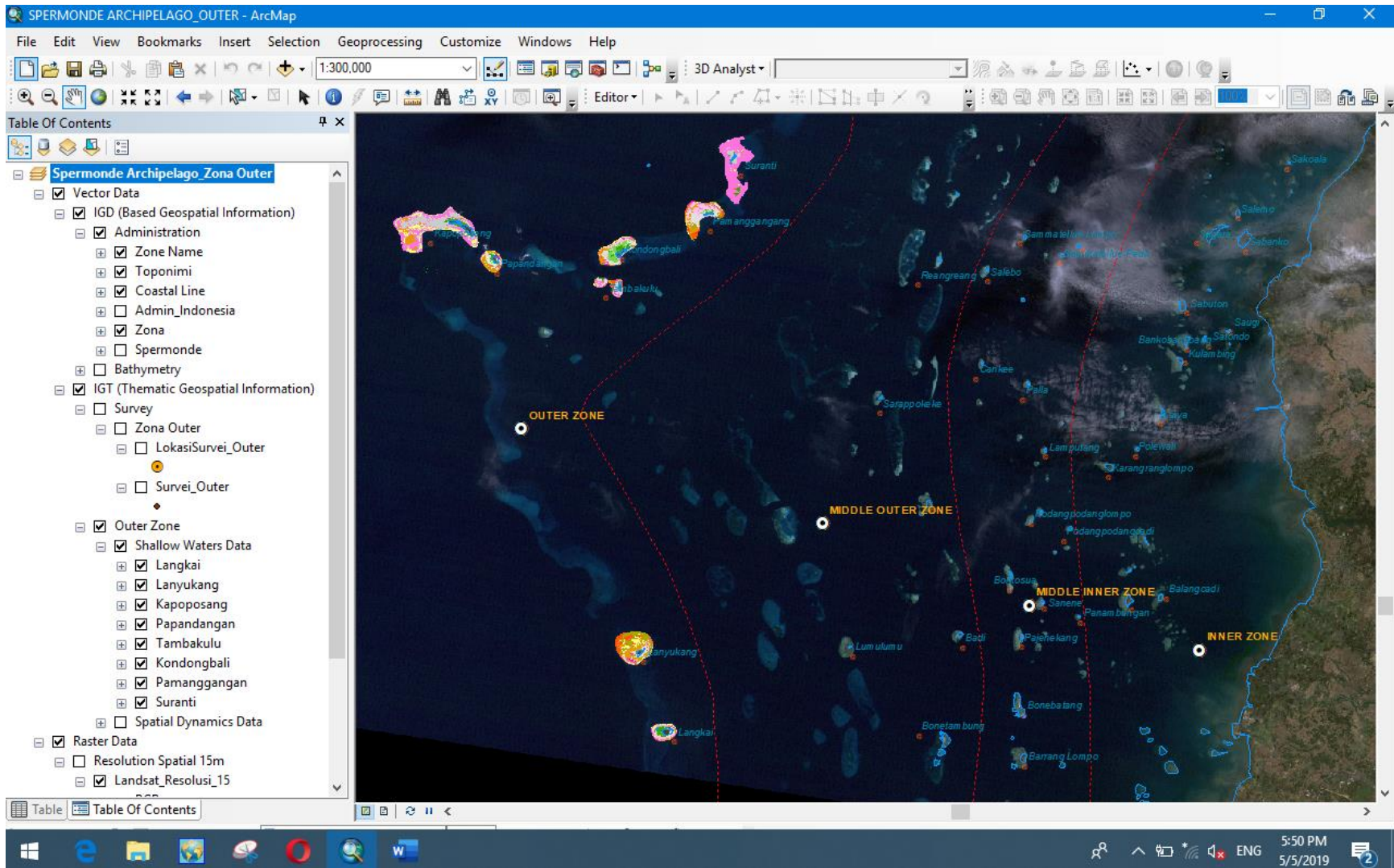
a.n. MENTERI HUKUM DAN HAK ASASI MANUSIA  
DIREKTUR JENDERAL KEKAYAAN INTELEKTUAL

Dr. Freddy Harris, S.H., LL.M., ACCS  
NIP. 196611181994031001









SPERMONDE ARCHIPELAGO\_OUTER - ArcMap

File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help

1:300,000 3D Analyst Editor

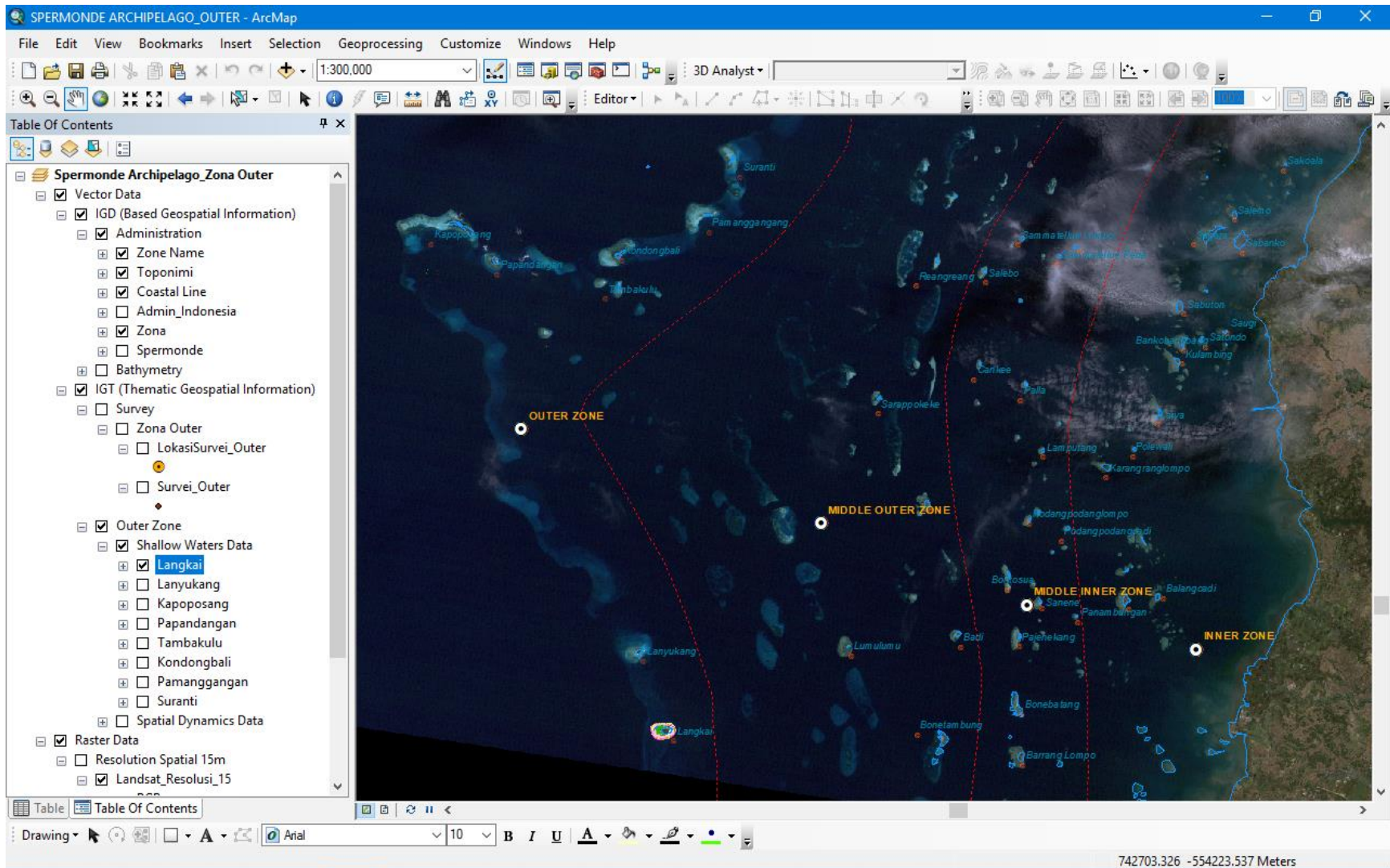
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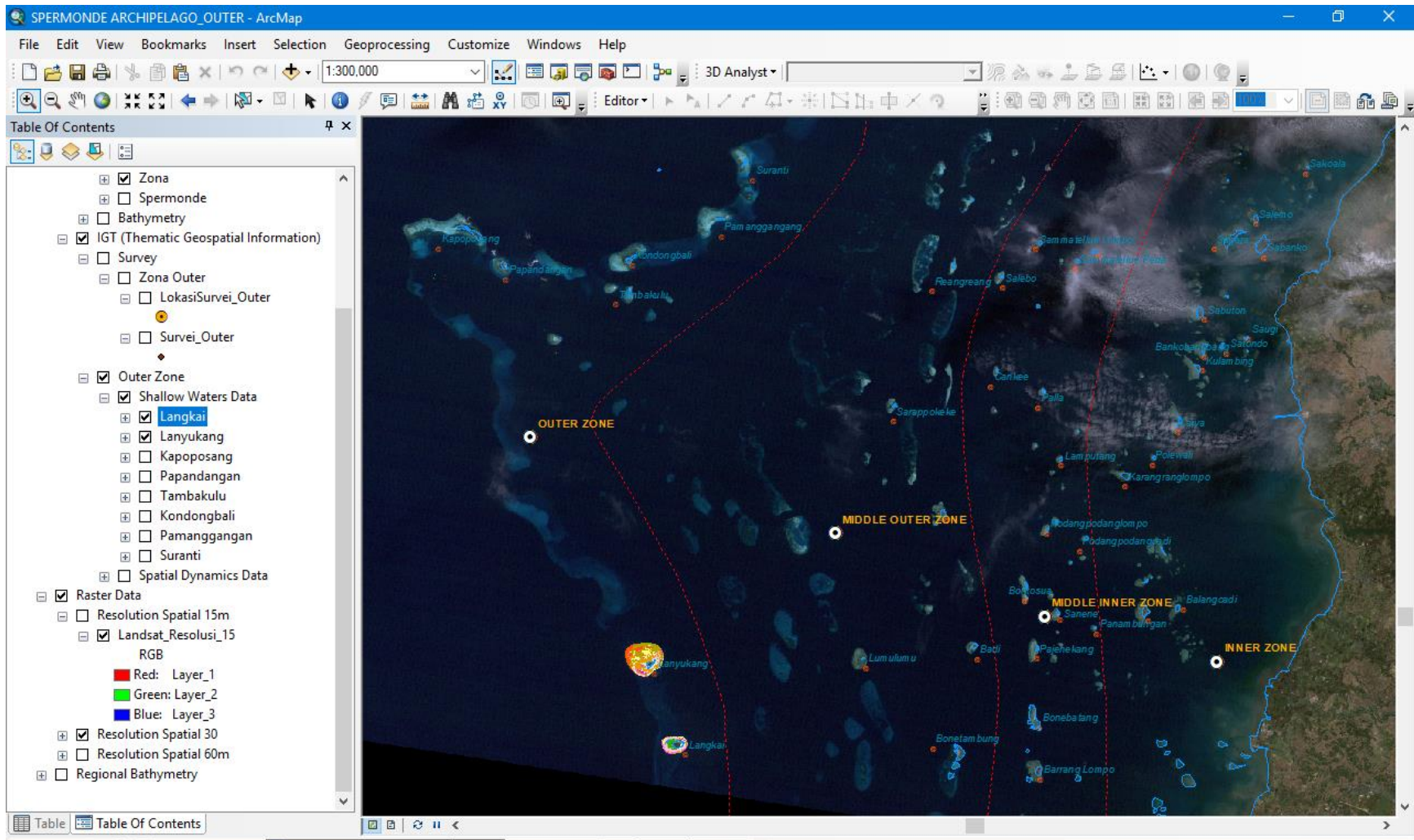
- [-] Spermonde Archipelago\_Zona Outer
  - [-]  Vector Data
    - [-]  IGD (Based Geospatial Information)
      - [-]  Administration
        - [-]  Zone Name
        - [-]  Toponimi
        - [-]  Coastal Line
        - [-]  Admin\_Indonesia
        - [-]  Zona
        - [-]  Spermonde
      - [-]  Bathymetry
    - [-]  IGT (Thematic Geospatial Information)
      - [-]  Survey
        - [-]  Zona Outer
          - [-]  LokasiSurvei\_Outer
          - [-]  Survei\_Outer
      - [-]  Outer Zone
        - [-]  Shallow Waters Data
          - [-]  Langkai
          - [-]  Lanyukang
          - [-]  Kapoposang
          - [-]  Papandangan
          - [-]  Tambakulu
          - [-]  Kondongbali
          - [-]  Pamangangan
          - [-]  Suranti
        - [-]  Spatial Dynamics Data
    - [-]  Raster Data
      - [-]  Resolution Spatial 15m
      - [-]  Landsat\_Resolusi\_15

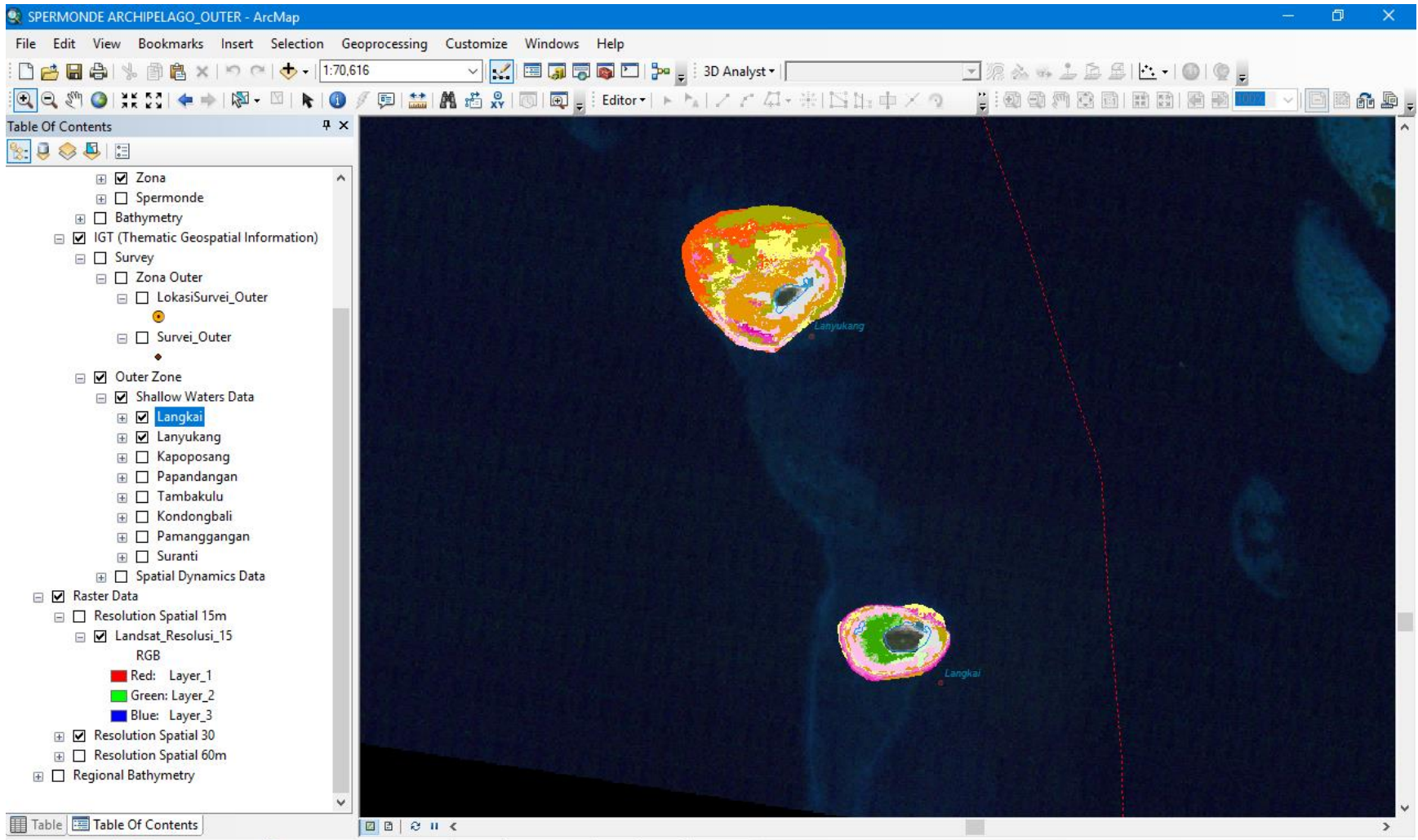
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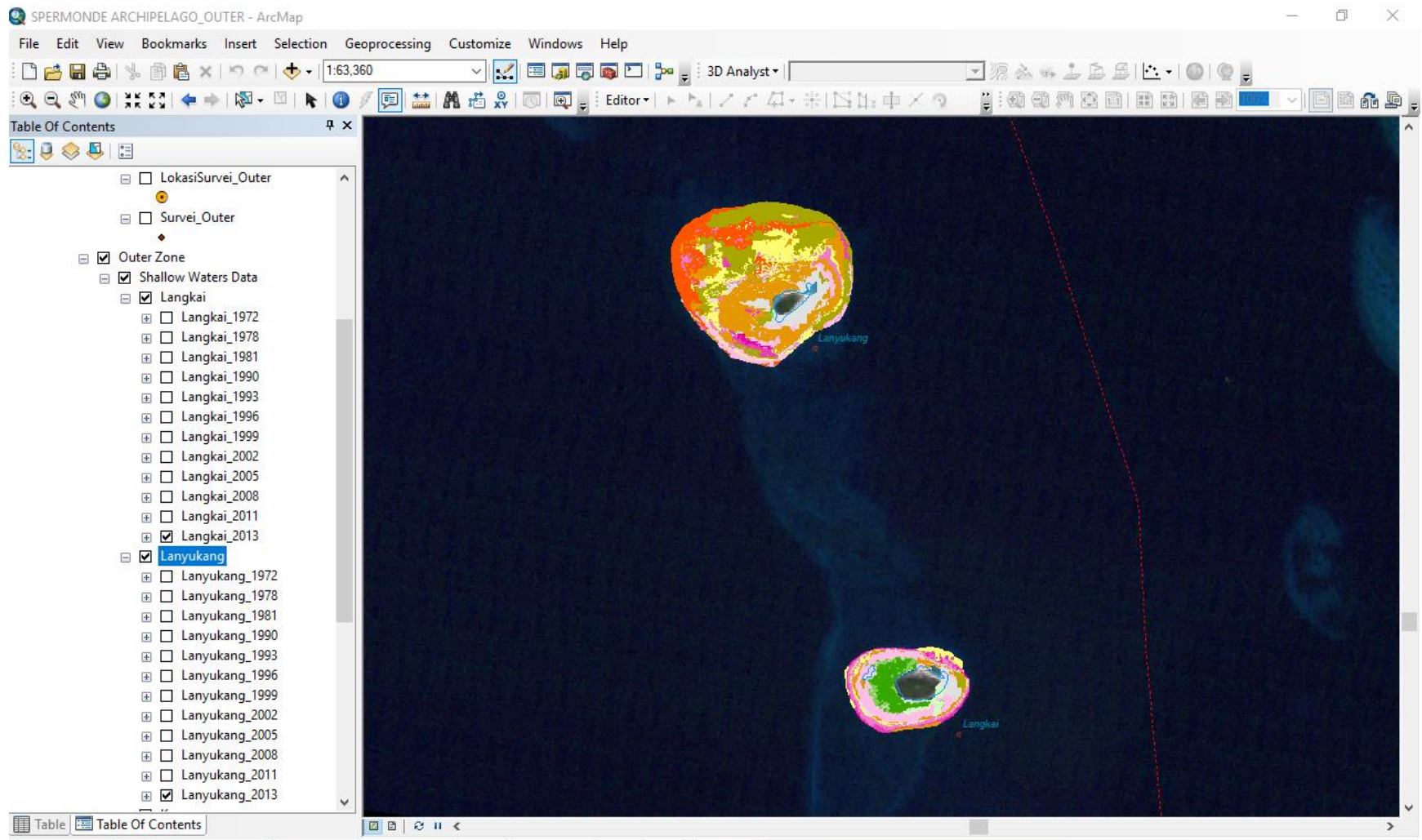


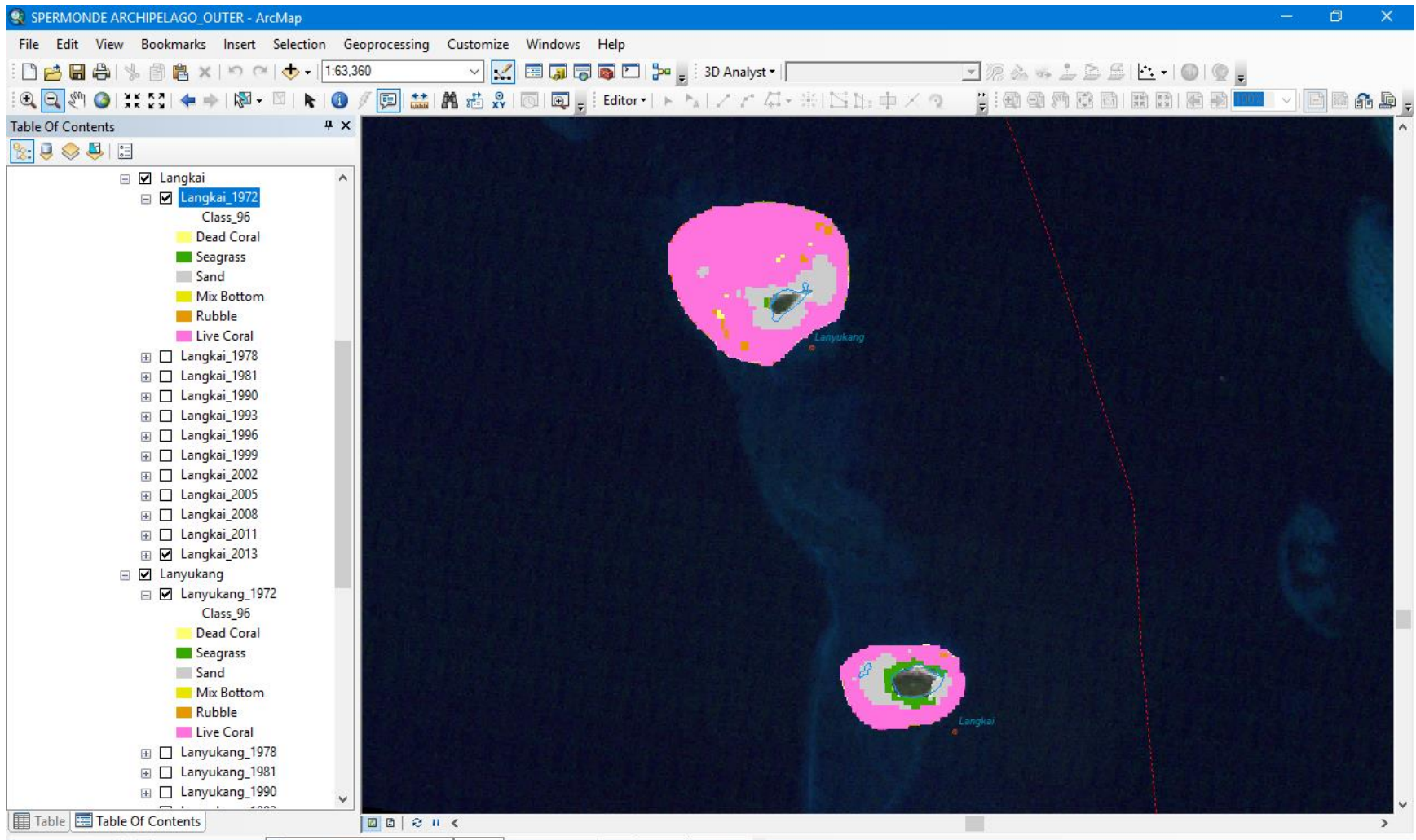
5:50 PM 5/5/2019 ENG

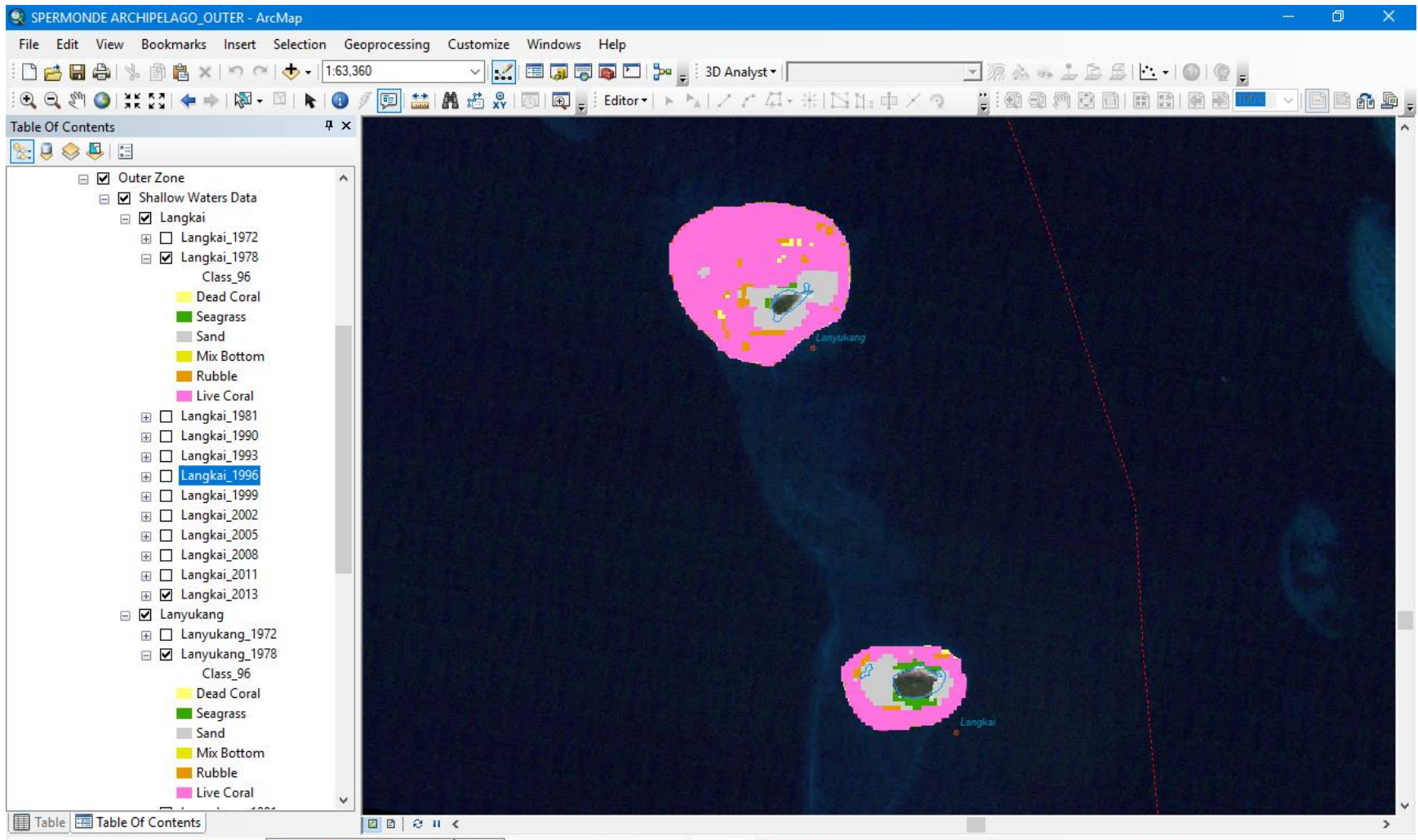












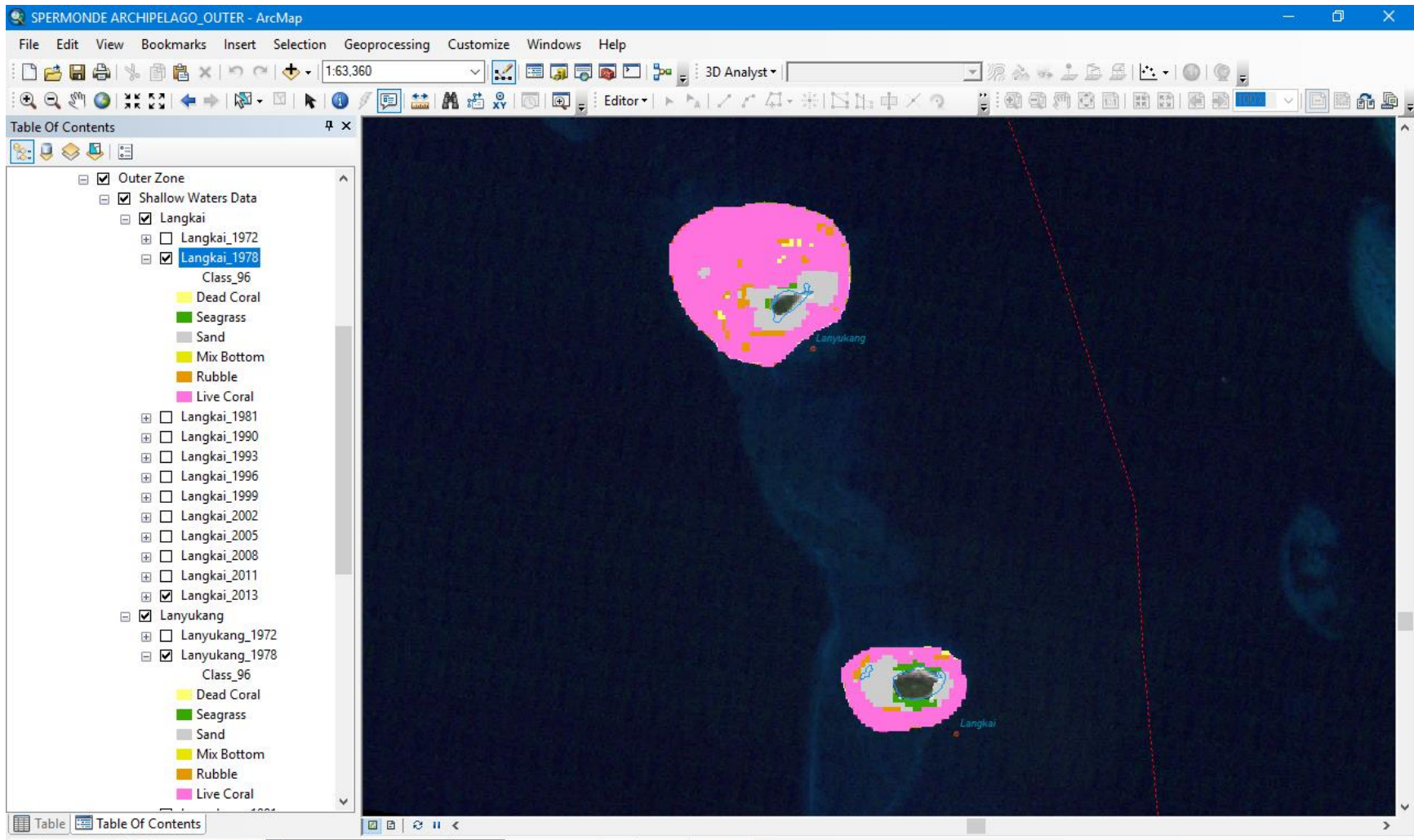
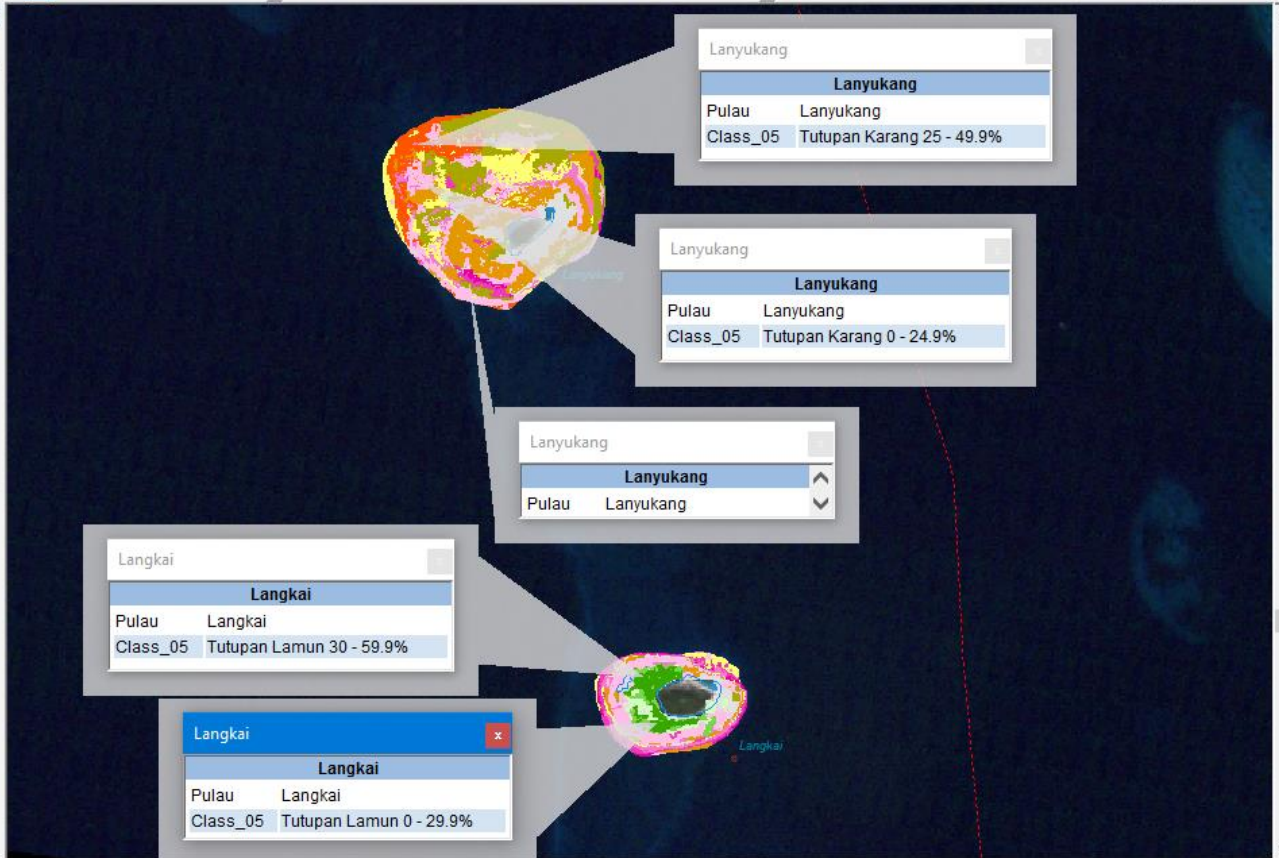
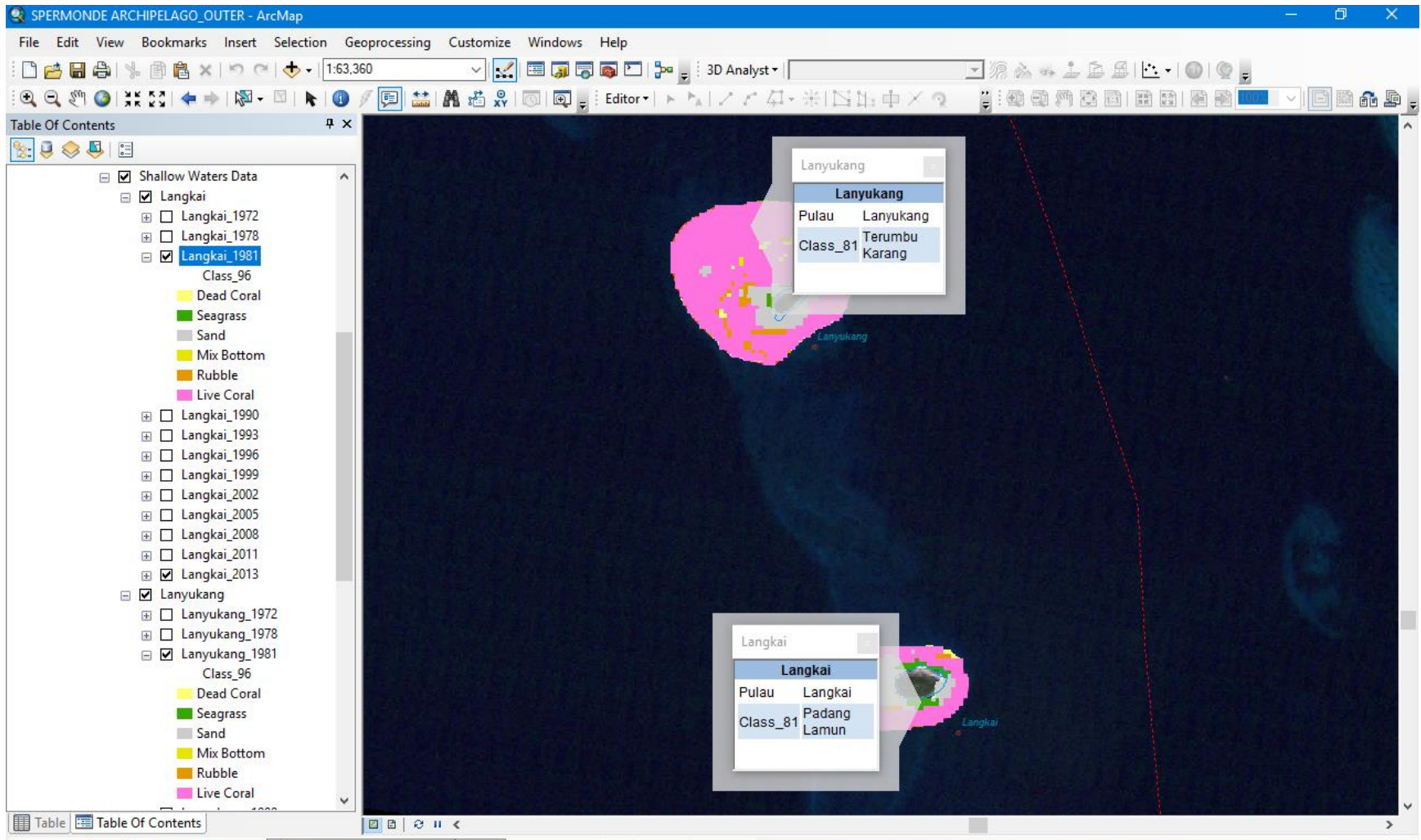


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- Outer Zone
  - Shallow Waters Data
    - Langkai
      - Langkai\_1972
      - Langkai\_1978
      - Langkai\_1981
      - Langkai\_1990
      - Langkai\_1993
      - Langkai\_1996
      - Langkai\_1999
      - Langkai\_2002
      - Langkai\_2005**
        - Class\_13
          - Dead Coral
          - Sand
          - Mix Bottom
          - Rubble
          - Coral Cover 0 - 24.9%
          - Coral Cover 25 - 49.9%
          - Coral Cover 50 - 74.9%
          - Coral Cover 75 - 100%
          - Seagrass Cover 0 - 29.9%
          - Seagrass Cover 30 - 59.9%
          - Seagrass Cover 60 - 100%
      - Langkai\_2008
      - Langkai\_2011
      - Langkai\_2013
    - Lanyukang
      - Lanyukang\_1972
      - Lanyukang\_1978
      - Lanyukang\_1981



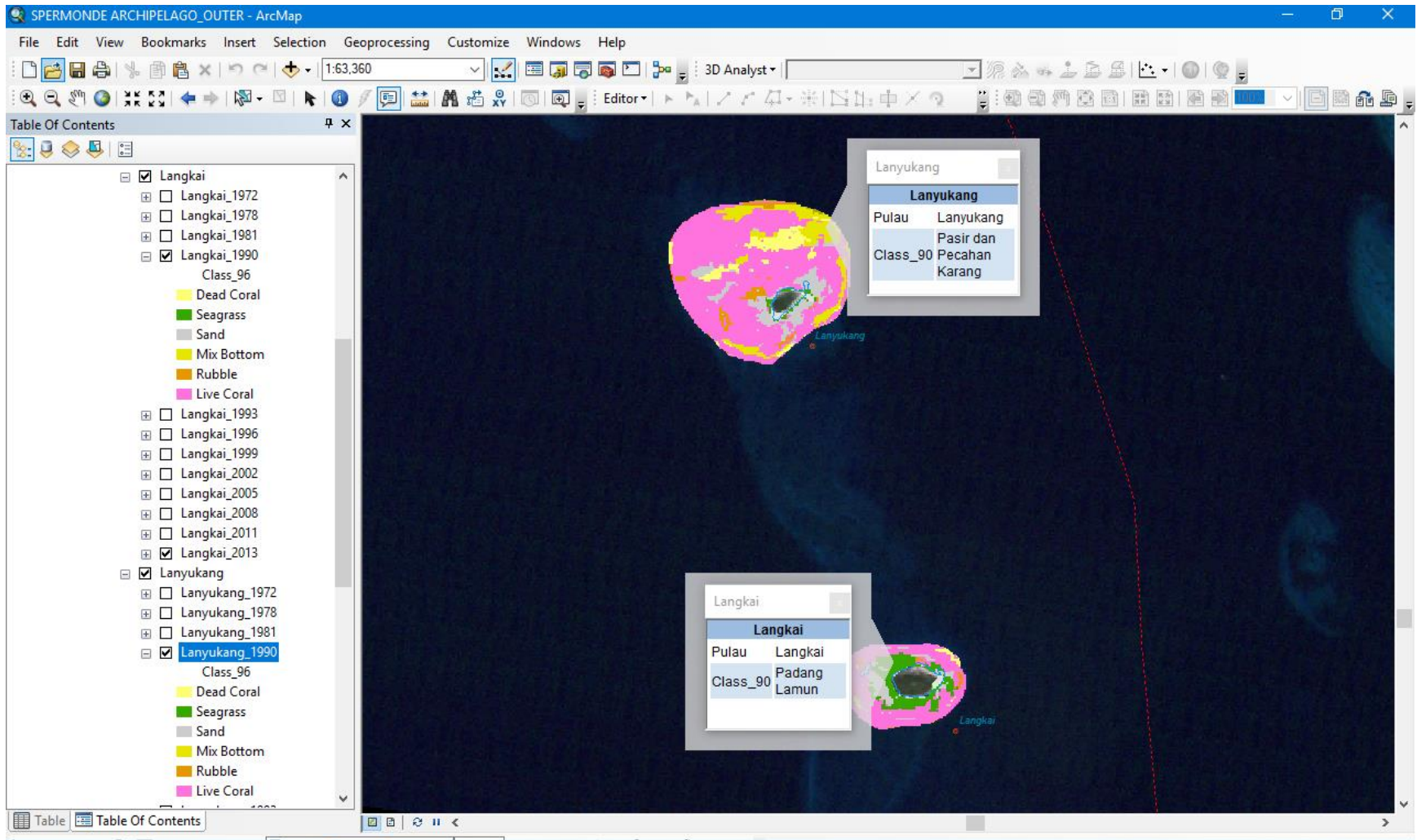


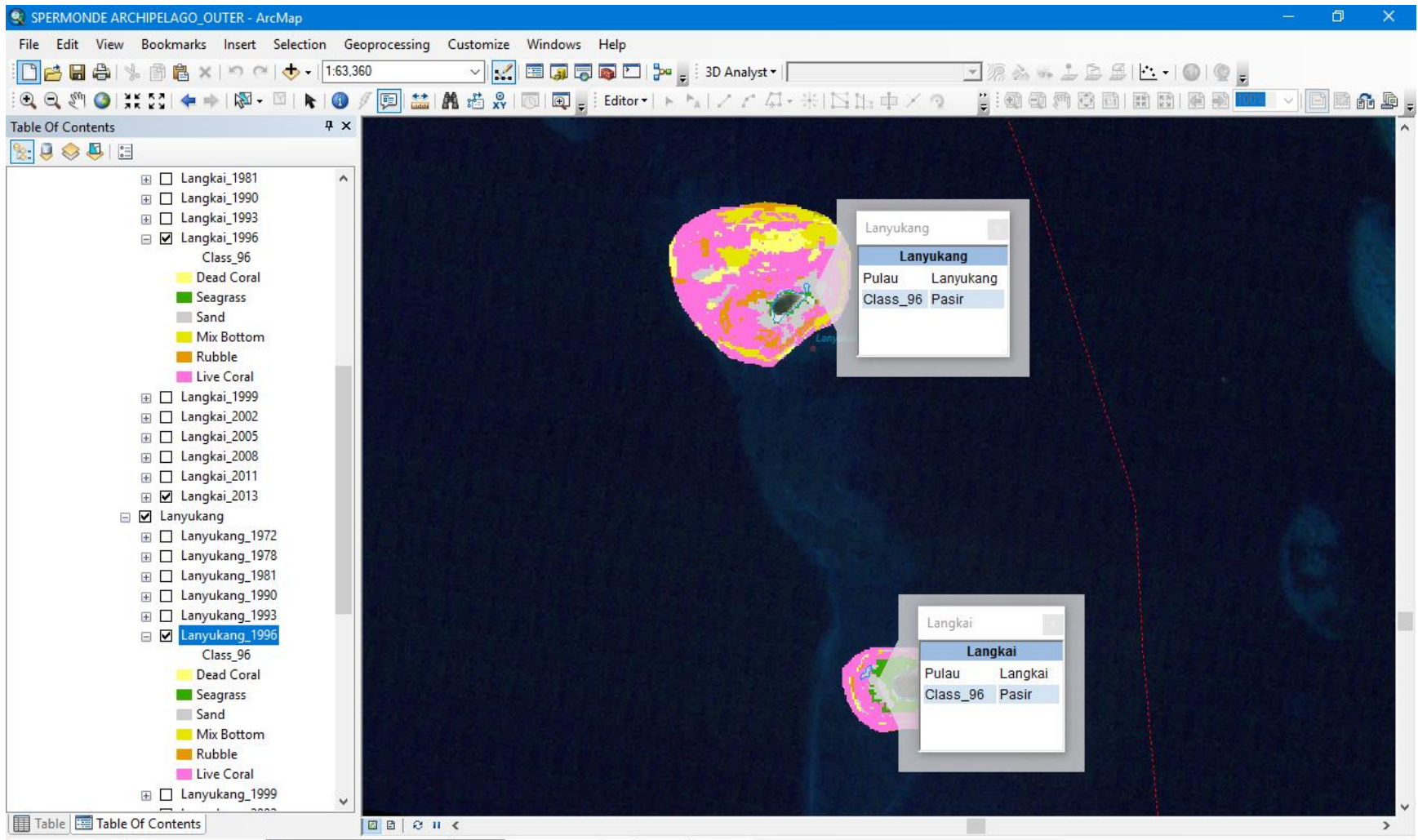
Lanyukang

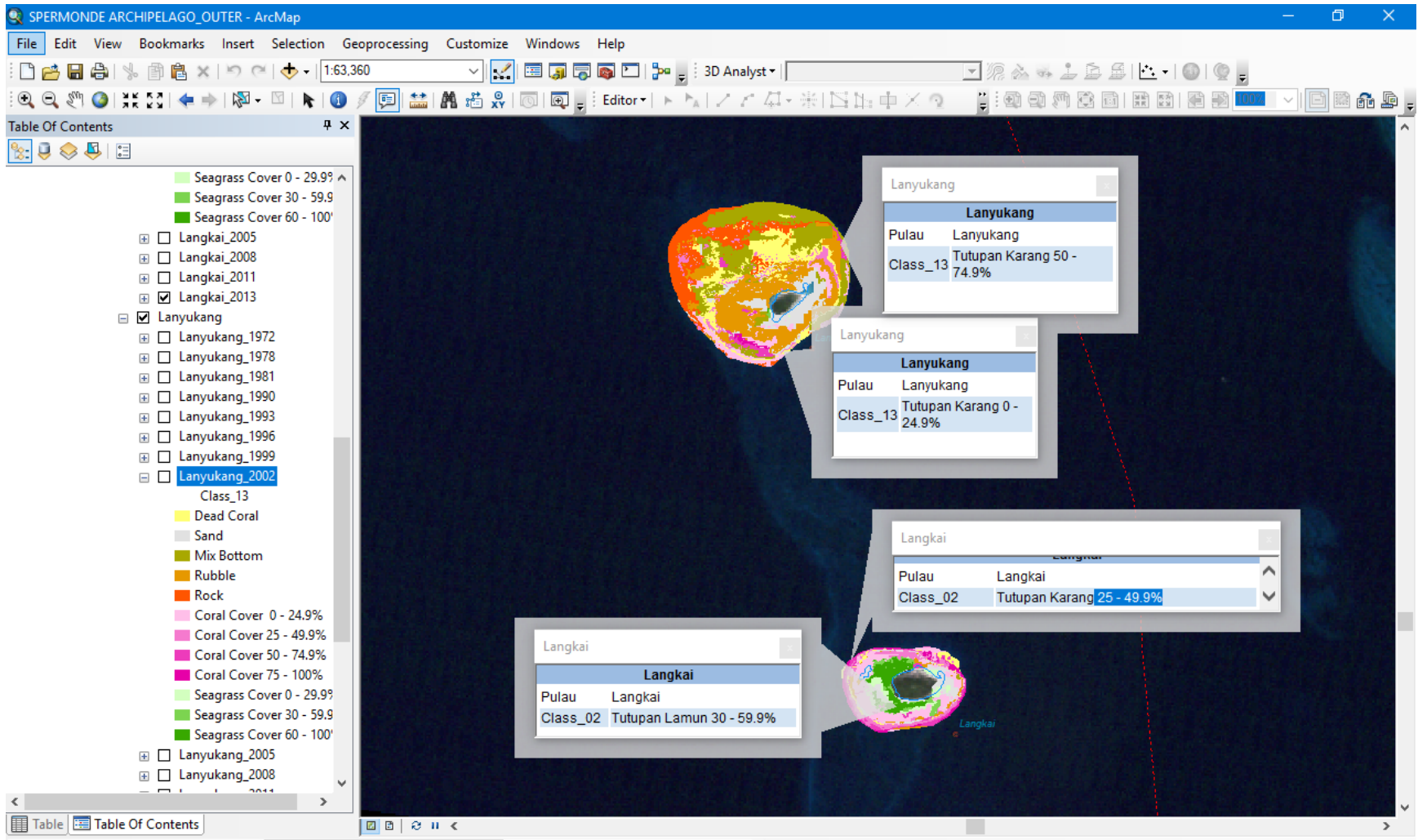
<b>Lanyukang</b>	
Pulau	Lanyukang
Class_81	Terumbu Karang

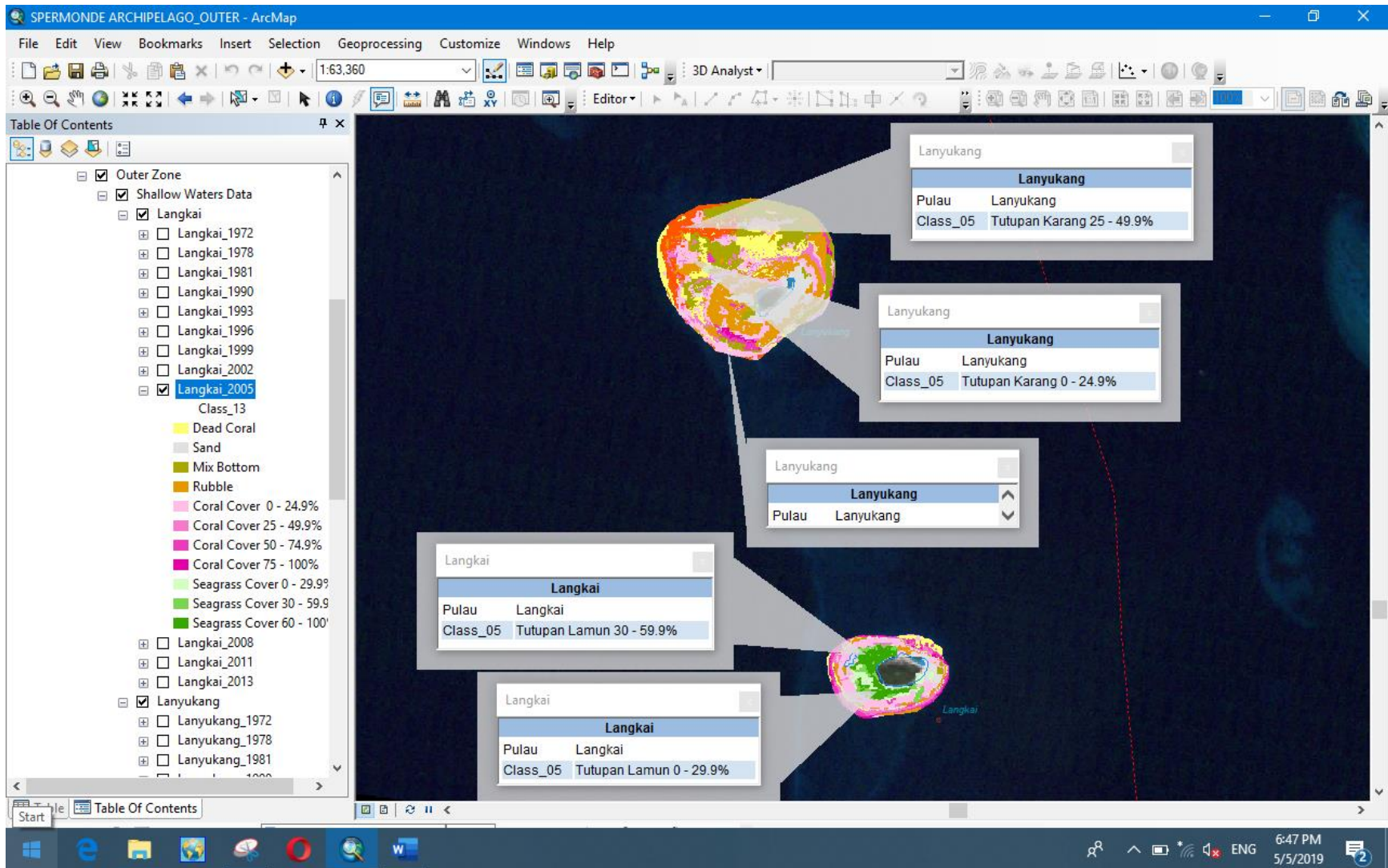
Langkai

<b>Langkai</b>	
Pulau	Langkai
Class_81	Padang Lamun









SPERMONDE ARCHIPELAGO\_OUTER - ArcMap

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- Seagrass Cover 60 - 100%
- Lanyukang\_2011
  - Class\_13
  - Dead Coral
  - Sand
  - Mix Bottom
  - Rubble
  - Rock
  - Coral Cover 0 - 24.9%
  - Coral Cover 25 - 49.9%
  - Coral Cover 50 - 74.9%
  - Coral Cover 75 - 100%
  - Seagrass Cover 0 - 29.9%
  - Seagrass Cover 30 - 59.9%
  - Seagrass Cover 60 - 100%
- Lanyukang\_2013
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- Papandangan
- Tambakulu
- Kondongbali
- Pamanggangan
- Suranti
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  - Landsat\_Resolusi\_15
    - RGB
    - Red: Layer\_1
    - Green: Layer\_2
    - Blue: Layer\_3
  - Resolution Spatial 30
  - Resolution Spatial 60m

Lanyukang

Lanyukang	
Pulau	Lanyukang
Class_08	Pasir dan Pecahan Karang

Lanyukang

Lanyukang	
Pulau	Lanyukang
Class_08	Tutupan Karang 25 - 49.9%

Langkai

Langkai	
Pulau	Langkai
Class_11	Tutupan Karang 25 - 49.9

Langkai

Langkai	
Pulau	Langkai
Class_11	Tutupan Lamun 30 - 59.9%

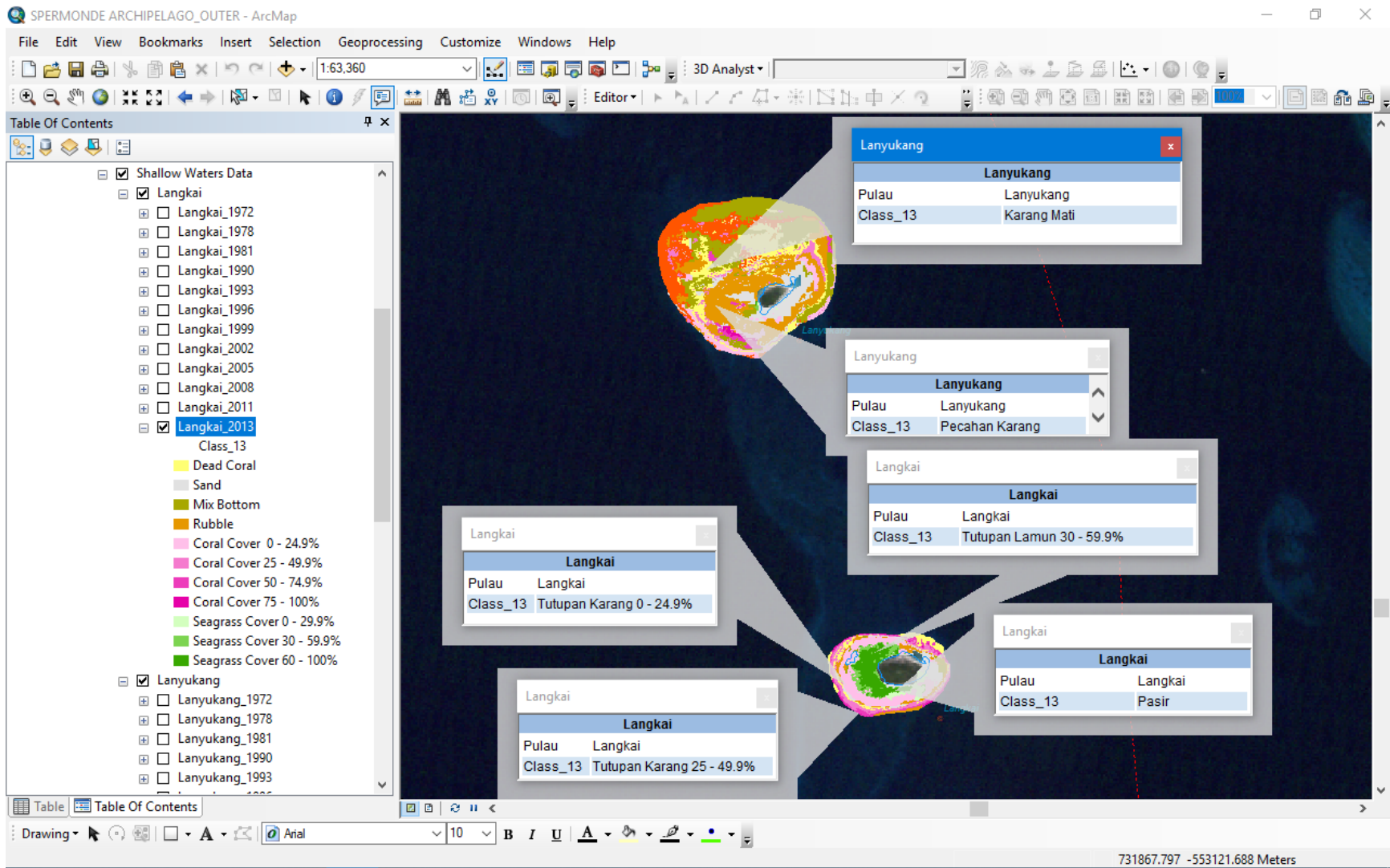
Langkai

Langkai	
Pulau	Langkai
Class_11	Tutupan Karang 0 - 24.9

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Drawing Arial 10 B I U A

724541.914 -554278.406 Meters



SPERMONDE ARCHIPELAGO\_OUTER - ArcMap

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1:63,360 3D Analyst

Editor

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  - Outer Zone
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      - Langkai
        - Langkai\_1972
        - Langkai\_1978
        - Langkai\_1981
        - Langkai\_1990
        - Langkai\_1993
        - Langkai\_1996
        - Langkai\_1999
        - Langkai\_2002
        - Langkai\_2005
        - Langkai\_2008
        - Langkai\_2011
        - Langkai\_2013
          - Class\_13
            - Dead Coral
            - Sand
            - Mix Bottom
            - Rubble
            - Coral Cover 0 - 24.4
            - Coral Cover 25 - 49.1
            - Coral Cover 50 - 74.2
            - Coral Cover 75 - 100
            - Seagrass Cover 0 - 24.4

Lanyukang

Lanyukang

GOPR0413 14.jpg

GOPR0413 14.jpg    GOPR0413 19.jpg  
 GOPR0413 26.jpg    GOPR0413 46.jpg

OBJECTID\_1    5  
 Pulau    Lanyukang  
 GPS\_ID    SD 4  
 X    119° 4' 19.378" E  
 Y    4° 59' 7.819" S  
 Deskripsi    Sand 20%, Live Coral 80%

Lanyukang

Lanyukang

GOPR0407 18.jpg

GOPR0407 18.jpg    GOPR0407 26.jpg  
 GOPR0407 34.jpg    GOPR0407 47.jpg

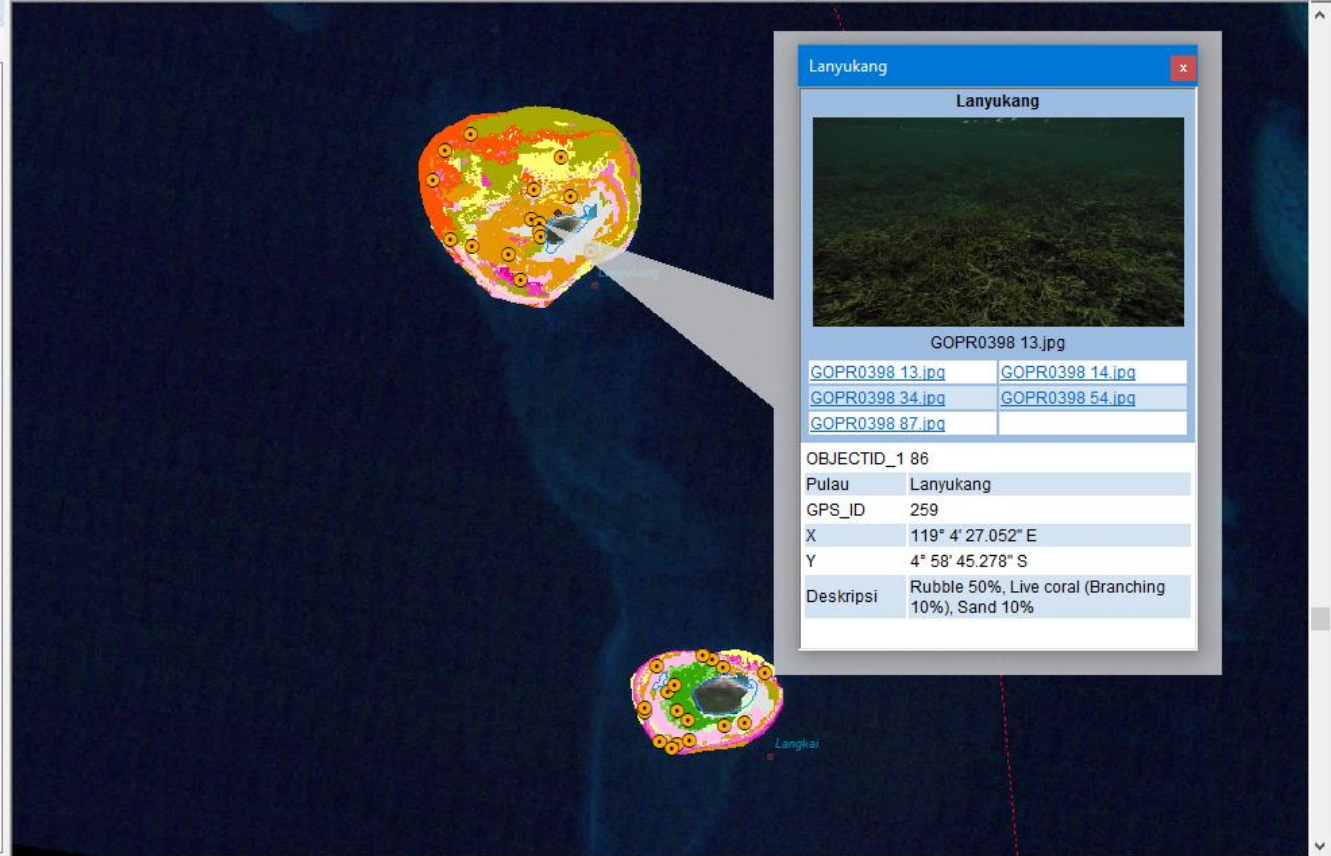
OBJECTID\_1    89  
 Pulau    Lanyukang  
 GPS\_ID    263  
 X    119° 4' 14.603" E  
 Y    4° 58' 57.407" S  
 Deskripsi    Rubble 95%, Live Coral 5%

Langkai

723536.072 -549735.353 Meters

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- IGT (Thematic Geospatial Informatio ^
  - Survey
    - Zona Outer
      - LokasiSurvei\_Outer
      - Survei\_Outer
- Outer Zone
  - Shallow Waters Data
    - Langkai
      - Langkai\_1972
      - Langkai\_1978
      - Langkai\_1981
      - Langkai\_1990
      - Langkai\_1993
      - Langkai\_1996
      - Langkai\_1999
      - Langkai\_2002
      - Langkai\_2005
      - Langkai\_2008
      - Langkai\_2011
      - Langkai\_2013
        - Class\_13
          - Dead Coral
          - Sand
          - Mix Bottom
          - Rubble
          - Coral Cover 0 - 24.1
          - Coral Cover 25 - 49.1
          - Coral Cover 50 - 74.1
          - Coral Cover 75 - 100.0
          - Seagrass Cover 0 - 10.0



Lanyukang

Lanyukang



GOPR0398 13.jpg

<a href="#">GOPR0398 13.jpg</a>	<a href="#">GOPR0398 14.jpg</a>
<a href="#">GOPR0398 34.jpg</a>	<a href="#">GOPR0398 54.jpg</a>
<a href="#">GOPR0398 87.jpg</a>	

OBJECTID\_1 86

Pulau	Lanyukang
GPS_ID	259
X	119° 4' 27.052" E
Y	4° 58' 45.278" S
Deskripsi	Rubble 50%, Live coral (Branching 10%), Sand 10%

# Luas Perairan Dangkal Pulau Langkai

The screenshot displays the ArcMap interface for a project titled 'SPERMONDE ARCHIPELAGO\_OUTER.mxd'. The main map area shows a colorful thematic map of Pulau Langkai, with different colors representing various seabed classes. A context menu is open over the map, with 'Open Attribute Table' selected. The legend on the left side of the map lists the following classes and their corresponding colors:

- Class\_13
- Dead Coral (Yellow)
- Sand (Light Blue)
- Mix Bottom (Dark Blue)
- Rubble (Orange)
- Coral Cover 0 - 24.9% (Pink)
- Coral Cover 25 - 49.9% (Light Purple)
- Coral Cover 50 - 74.9% (Purple)
- Coral Cover 75 - 100% (Dark Purple)
- Seagrass Cover 0 - 29.9% (Light Green)
- Seagrass Cover 30 - 59.9% (Green)
- Seagrass Cover 60 - 100% (Dark Green)

The attribute table window, titled 'Langkai\_2013', displays the following data:

OBJECTID	Shape	Pulau	Class_13	Shape_Length	Shape_Area	Luas_Ha
13	Polygon	Langkai	Tutupan Karang 0 - 24.9%	0.133287	0.000031	37.9
14	Polygon	Langkai	Tutupan Karang 25 - 49.9%	0.15625	0.000016	18.17
15	Polygon	Langkai	Tutupan Karang 50 - 74.9%	0.122682	0.000009	11.23
16	Polygon	Langkai	Tutupan Karang 75 - 100%	0.046311	0.000002	2.88
17	Polygon	Langkai	Karang Mati	0.132445	0.000014	16.85
18	Polygon	Langkai	Pasir dan Pecahan Karang	0.023065	0.000003	3.9
19	Polygon	Langkai	Pecahan Karang	0.108036	0.000011	13.23
20	Polygon	Langkai	Pasir	0.121692	0.000015	18.06
21	Polygon	Langkai	Tutupan Lamun 0 - 29.9%	0.03304	0.000006	7.96
22	Polygon	Langkai	Tutupan Lamun 30 - 59.9%	0.107236	0.000009	11.81
23	Polygon	Langkai	Tutupan Lamun 60 - 100%	0.089054	0.000023	28.82

Table



Langkai\_2013

OBJECTID *	Shape *	Pulau	Class_13	Shape_Length	Shape_Area	Luas_Ha
13	Polygon	Langkai	Tutupan Karang 0 - 24.9%	0.133267	0.000031	37.9
14	Polygon	Langkai	Tutupan Karang 25 - 49.9%	0.15625	0.000016	19.17
15	Polygon	Langkai	Tutupan Karang 50 - 74.9%	0.122682	0.000009	11.23
16	Polygon	Langkai	Tutupan Karang 75 - 100%	0.046311	0.000002	2.88
17	Polygon	Langkai	Karang Mati	0.132445	0.000014	16.65
18	Polygon	Langkai	Pasir dan Pecahan Karang	0.023065	0.000003	3.9
19	Polygon	Langkai	Pecahan Karang	0.108036	0.000011	13.23
20	Polygon	Langkai	Pasir	0.121692	0.000015	18.06
21	Polygon	Langkai	Tutupan Lamun 0 - 29.9%	0.03304	0.000006	7.96
22	Polygon	Langkai	Tutupan Lamun 30 - 59.9%	0.107236	0.000009	11.61
23	Polygon	Langkai	Tutupan Lamun 60 - 100%	0.069054	0.000023	28.82

Table



Langkai\_2002

OBJECTID *	Shape *	Pulau	Class_02	Shape_Length	Shape_Area	Luas_Ha
18	Polygon	Langkai	Pasir dan Pecahan Karang	0.006523	0.000001	0.81
19	Polygon	Langkai	Pecahan Karang	0.066637	0.000006	6.96
17	Polygon	Langkai	Karang Mati	0.074179	0.000007	8.23
16	Polygon	Langkai	Tutupan Karang 75 - 100%	0.088297	0.000008	9.73
22	Polygon	Langkai	Tutupan Lamun 30 - 59.9%	0.089344	0.000008	10.05
21	Polygon	Langkai	Tutupan Lamun 0 - 29.9%	0.066421	0.000001	12.28
15	Polygon	Langkai	Tutupan Karang 50 - 74.9%	0.118877	0.000012	14.26
14	Polygon	Langkai	Tutupan Karang 25 - 49.9%	0.154539	0.000018	21.57
20	Polygon	Langkai	Pasir	0.143635	0.000018	21.6
23	Polygon	Langkai	Tutupan Lamun 60 - 100%	0.070941	0.000002	24.23
13	Polygon	Langkai	Tutupan Karang 0 - 24.9%	0.183165	0.000035	42.8

## Table



## Langkai\_1990

OBJECTID *	Shape *	Pulau	Class_90	Shape_Length	Shape_Area	Luas_Ha
12	Polygon	Langkai	Terumbu Karang	0.179258	0.000083	102.23
13	Polygon	Langkai	Karang Mati	0.020584	0.000003	3.69
14	Polygon	Langkai	Pecahan Karang	0.018421	0.000002	2.88
15	Polygon	Langkai	Pasir	0.094853	0.000017	20.93
16	Polygon	Langkai	Padang Lamun	0.103618	0.000034	41.72

## Table



## Langkai\_1972

OBJECTID *	Shape *	Pulau	Class_72	Shape_Length	Shape_Area	Luas_Ha
7	Polygon	Langkai	Terumbu Karang	0.106416	0.00009	109.95
8	Polygon	Langkai	Pecahan Karang	0.003275	0.000001	0.73
9	Polygon	Langkai	Pasir	0.053609	0.000033	40.77
10	Polygon	Langkai	Padang Lamun	0.048065	0.000017	20.5

# Luas Perairan Dangkal Pulau Lanyukang

The screenshot shows the ArcMap interface with the following components:

- Table Of Contents:** Lists layers for 'Spermonde Archipelago\_Zona Outer', 'Vector Data', 'IGD (Based Geospatial Information)', 'Administration', 'Zone Name', 'Toponimi', 'Coastal Line', 'Admin\_Indonesia', 'Zona', 'Spermonde', 'Bathymetry', 'IGT (Thematic Geospatial Information)', 'Outer Zone', 'Shallow Waters Data', 'Lanyukai', 'Lanyukang', and 'Lanyukang\_2013'.
- Map:** A map of Pulau Lanyukang showing bathymetry and coral/seagrass cover. A context menu is open over the map with options like 'Copy', 'Remove', 'Open Attribute Table', 'Zoom In', 'Zoom Out', 'Visible Settings', 'Use Symbol Levels', 'Selection', 'Label Features', 'Edit Features', 'Convert Labels to Annotation...', 'Convert Features to Graphics...', 'Convert Symbology to Representation...', 'Data', 'Save As Layer File...', 'Create Layer Package...', and 'Properties...'.
- Table Window:** A table titled 'Lanyukang\_2013' with the following data:
 

OBJECTID	Shape	Pulau	Class_13	Shape_Length	Shape_Area	Luas_Ha
24	Polygon	Lanyukang	Tutupan Karang 0 - 24.9%	0.183396	0.000025	30.46
25	Polygon	Lanyukang	Tutupan Karang 25 - 49.9%	0.230609	0.000017	29.9
26	Polygon	Lanyukang	Tutupan Karang 50 - 74.9%	0.060578	0.000008	10.14
27	Polygon	Lanyukang	Tutupan Karang 75 - 100%	0.018682	0.000002	2.68
28	Polygon	Lanyukang	Karang Mati	0.398508	0.000054	66.64
29	Polygon	Lanyukang	Pasir dan Pecahan Karang	0.377393	0.000103	126.32
30	Polygon	Lanyukang	Rock	0.319508	0.000068	83.06
31	Polygon	Lanyukang	Pecahan Karang	0.356681	0.000097	119.48
32	Polygon	Lanyukang	Pasir	0.245744	0.000039	47.31
33	Polygon	Lanyukang	Tutupan Lamun 0 - 29.9%	0.004333	0	0.29
34	Polygon	Lanyukang	Tutupan Lamun 30 - 59.9%	0.003523	0	0.38
35	Polygon	Lanyukang	Tutupan Lamun 60 - 100%	0.001999	0	0.2

Table



Lanyukang\_2013

OBJECTID *	Shape *	Pulau	Class_13	Shape_Length	Shape_Area	Luas_Ha
24	Polygon	Lanyukang	Tutupan Karang 0 - 24.9%	0.183396	0.000025	30.46
25	Polygon	Lanyukang	Tutupan Karang 25 - 49.9%	0.230609	0.000017	20.9
26	Polygon	Lanyukang	Tutupan Karang 50 - 74.9%	0.060578	0.000008	10.14
27	Polygon	Lanyukang	Tutupan Karang 75 - 100%	0.018682	0.000002	2.68
28	Polygon	Lanyukang	Karang Mati	0.398588	0.000054	66.64
29	Polygon	Lanyukang	Pasir dan Pecahan Karang	0.377393	0.000103	126.32
30	Polygon	Lanyukang	Rock	0.319508	0.000068	83.06
31	Polygon	Lanyukang	Pecahan Karang	0.356661	0.000097	119.48
32	Polygon	Lanyukang	Pasir	0.245744	0.000039	47.31
33	Polygon	Lanyukang	Tutupan Lamun 0 - 29.9%	0.004333	0	0.29
34	Polygon	Lanyukang	Tutupan Lamun 30 - 59.9%	0.003523	0	0.38
35	Polygon	Lanyukang	Tutupan Lamun 60 - 100%	0.001999	0	0.2

Table



Lanyukang\_2002

OBJECTID *	Shape *	Pulau	Class_02	Shape_Length	Shape_Area	Luas_Ha
24	Polygon	Lanyukang	Tutupan Karang 0 - 24.9%	0.675678	0.000144	176.92
25	Polygon	Lanyukang	Tutupan Karang 25 - 49.9%	0.328939	0.000037	45.91
26	Polygon	Lanyukang	Tutupan Karang 50 - 74.9%	0.089941	0.000011	13.64
27	Polygon	Lanyukang	Tutupan Karang 75 - 100%	0.036376	0.000004	4.38
28	Polygon	Lanyukang	Karang Mati	0.250033	0.000044	53.39
29	Polygon	Lanyukang	Pasir dan Pecahan Karang	0.240913	0.000076	92.71
30	Polygon	Lanyukang	Rock	0.096858	0.000012	14.73
31	Polygon	Lanyukang	Pecahan Karang	0.304444	0.000048	59
32	Polygon	Lanyukang	Pasir	0.234408	0.000036	44.04
33	Polygon	Lanyukang	Tutupan Lamun 0 - 29.9%	0.006784	0.000001	0.86
34	Polygon	Lanyukang	Tutupan Lamun 30 - 59.9%	0.001999	0	0.2
35	Polygon	Lanyukang	Tutupan Lamun 30 - 59.9%	0.003523	0	0.38

## Table



## Lanyukang\_1990

	OBJECTID *	Shape *	Pulau	Class_90	Shape_Length	Shape_Area	Luas_Ha
	17	Polygon	Lanyukang	Terumbu Karang	0.406119	0.000282	345.45
	18	Polygon	Lanyukang	Karang Mati	0.108416	0.000029	35.63
	19	Polygon	Lanyukang	Pasir dan Pecahan Karang	0.15604	0.000046	56.81
	20	Polygon	Lanyukang	Pecahan Karang	0.070759	0.000012	15.3
	21	Polygon	Lanyukang	Pasir	0.162801	0.000039	48.2
	22	Polygon	Lanyukang	Padang Lamun	0.035206	0.000004	4.68

## Table



## Lanyukang\_1972

	OBJECTID *	Shape *	Pulau	Class_72	Shape_Length	Shape_Area	Luas_Ha
	11	Polygon	Lanyukang	Terumbu Karang	0.19239	0.000343	420.71
	12	Polygon	Lanyukang	Karang Mati	0.013161	0.000002	2.58
	13	Polygon	Lanyukang	Pecahan Karang	0.027424	0.000006	7.38
	14	Polygon	Lanyukang	Pasir	0.079429	0.00006	74.01
	15	Polygon	Lanyukang	Padang Lamun	0.003563	0.000001	0.83

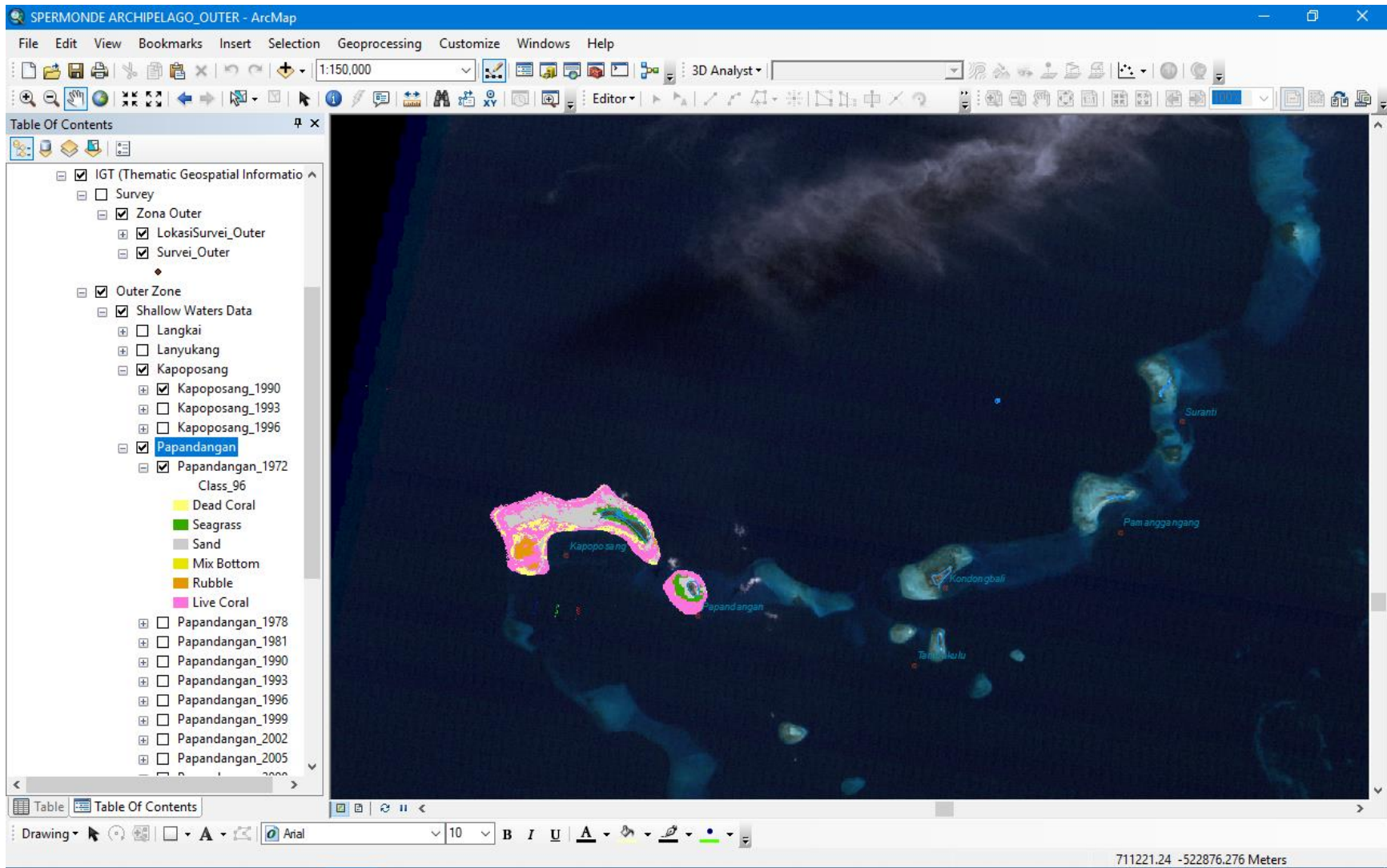
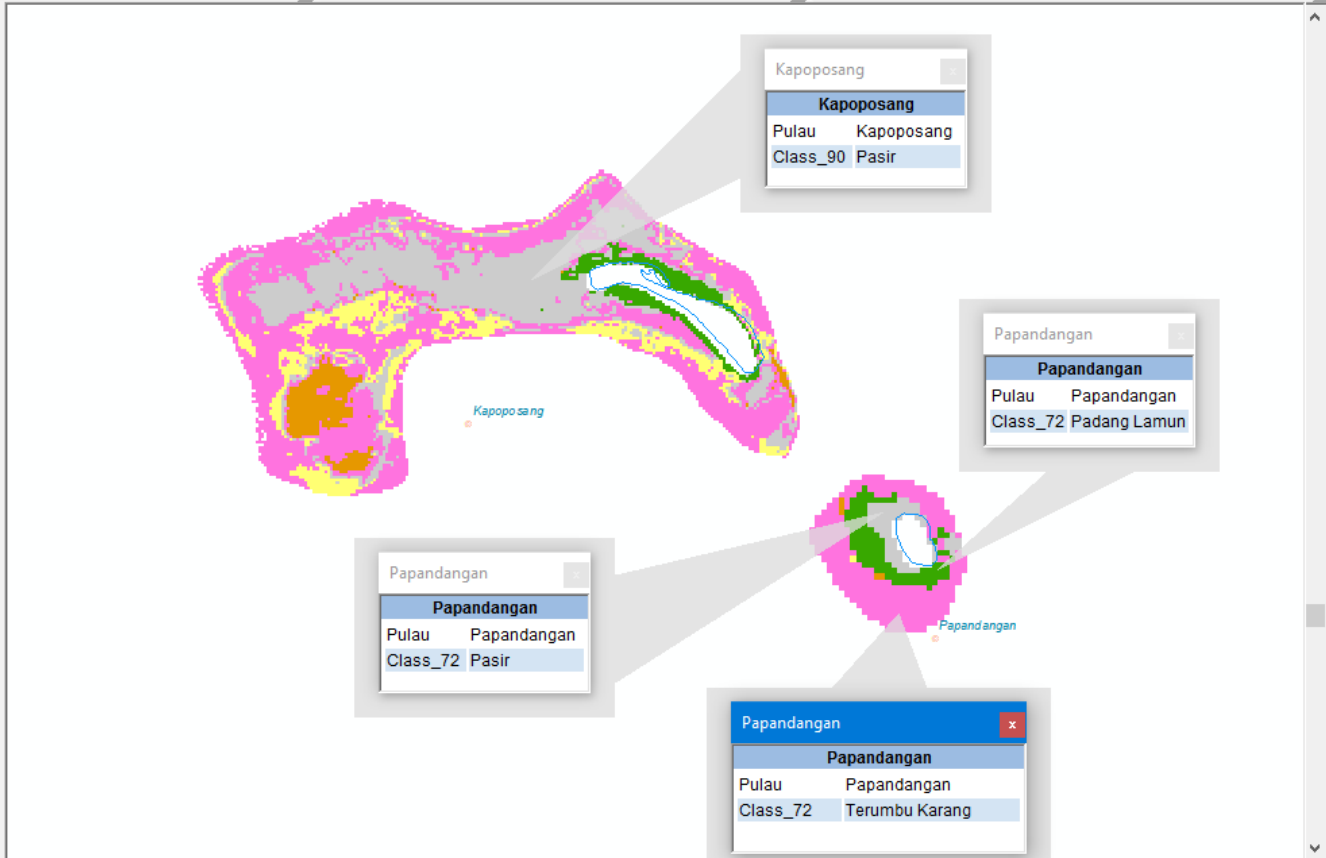
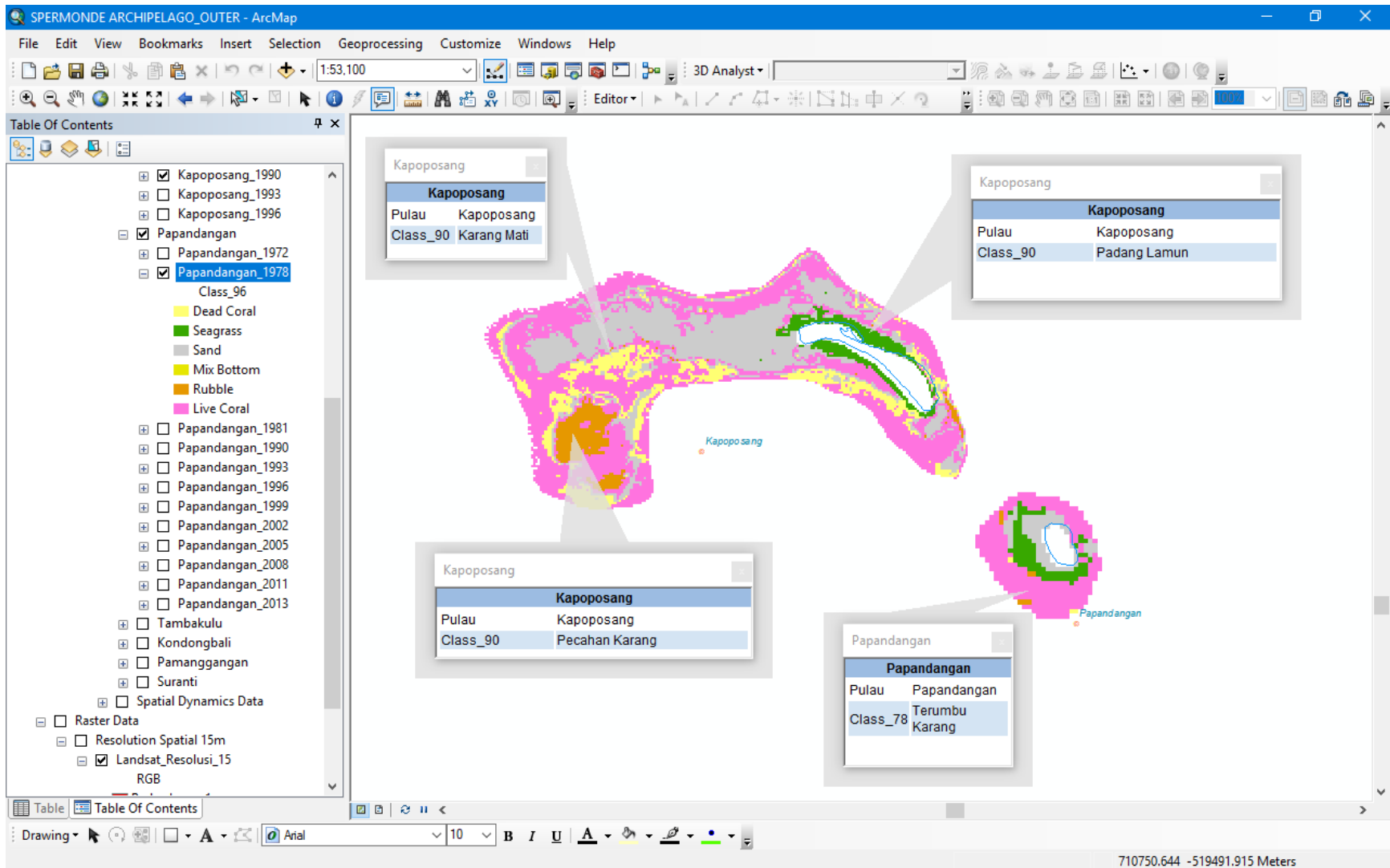


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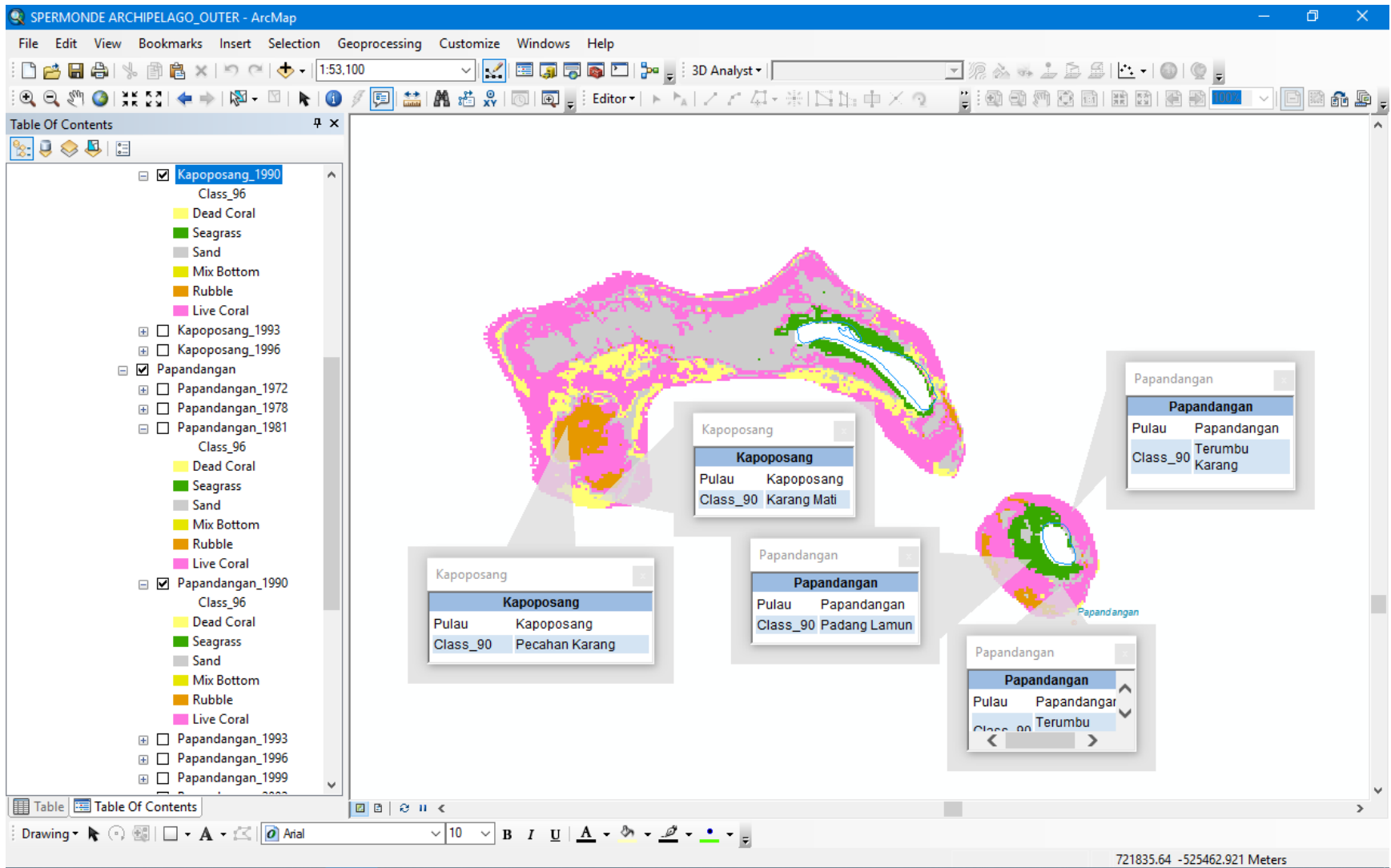
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English (United States)  
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To switch input methods, press Windows key+Space.

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Pulau	Kapoposang
Class_90	Karang Mati

Kapoposang

Kapoposang	
Pulau	Kapoposang
Class_90	Karang Mati

Papandangan

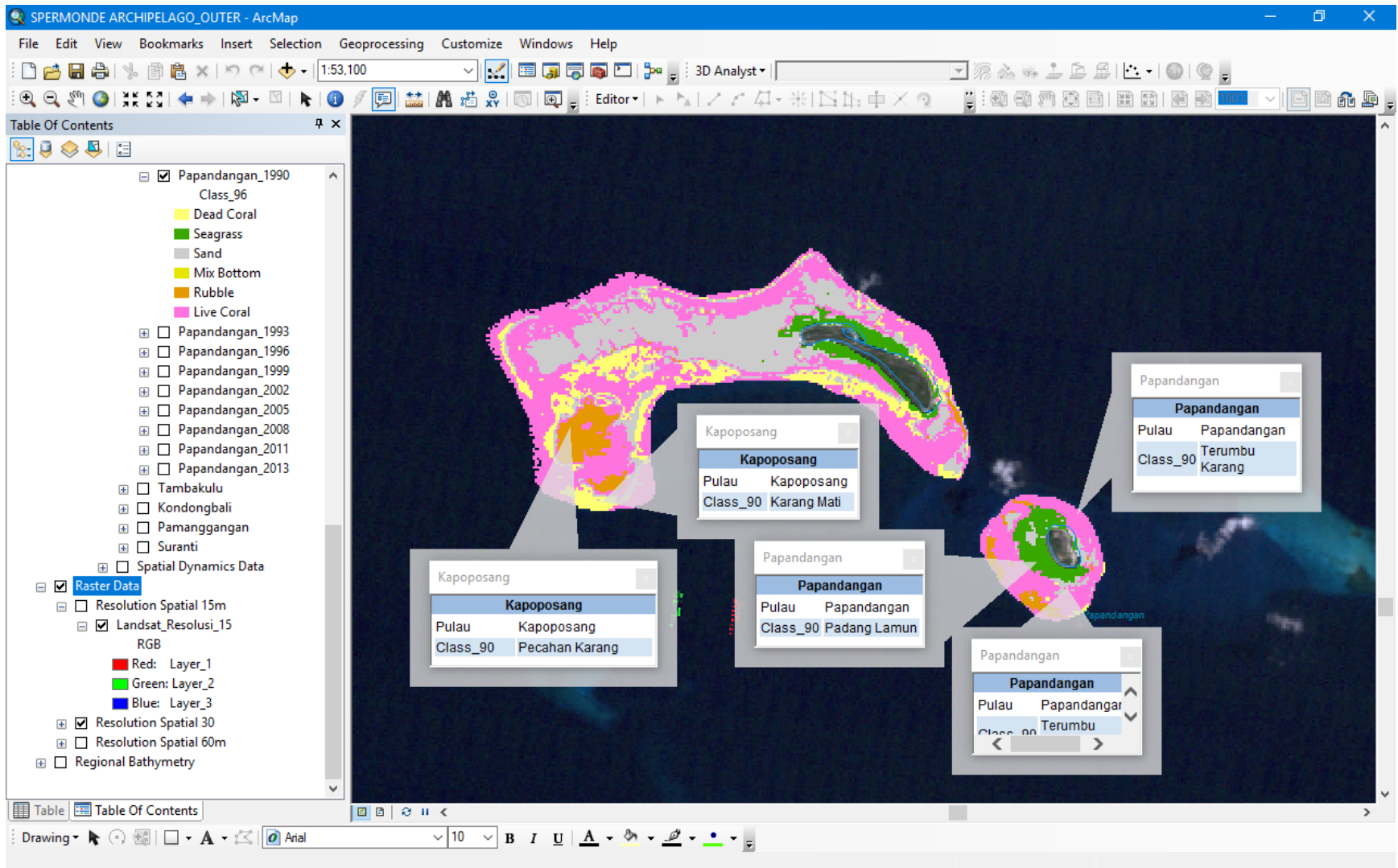
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Class_90	Padang Lamun

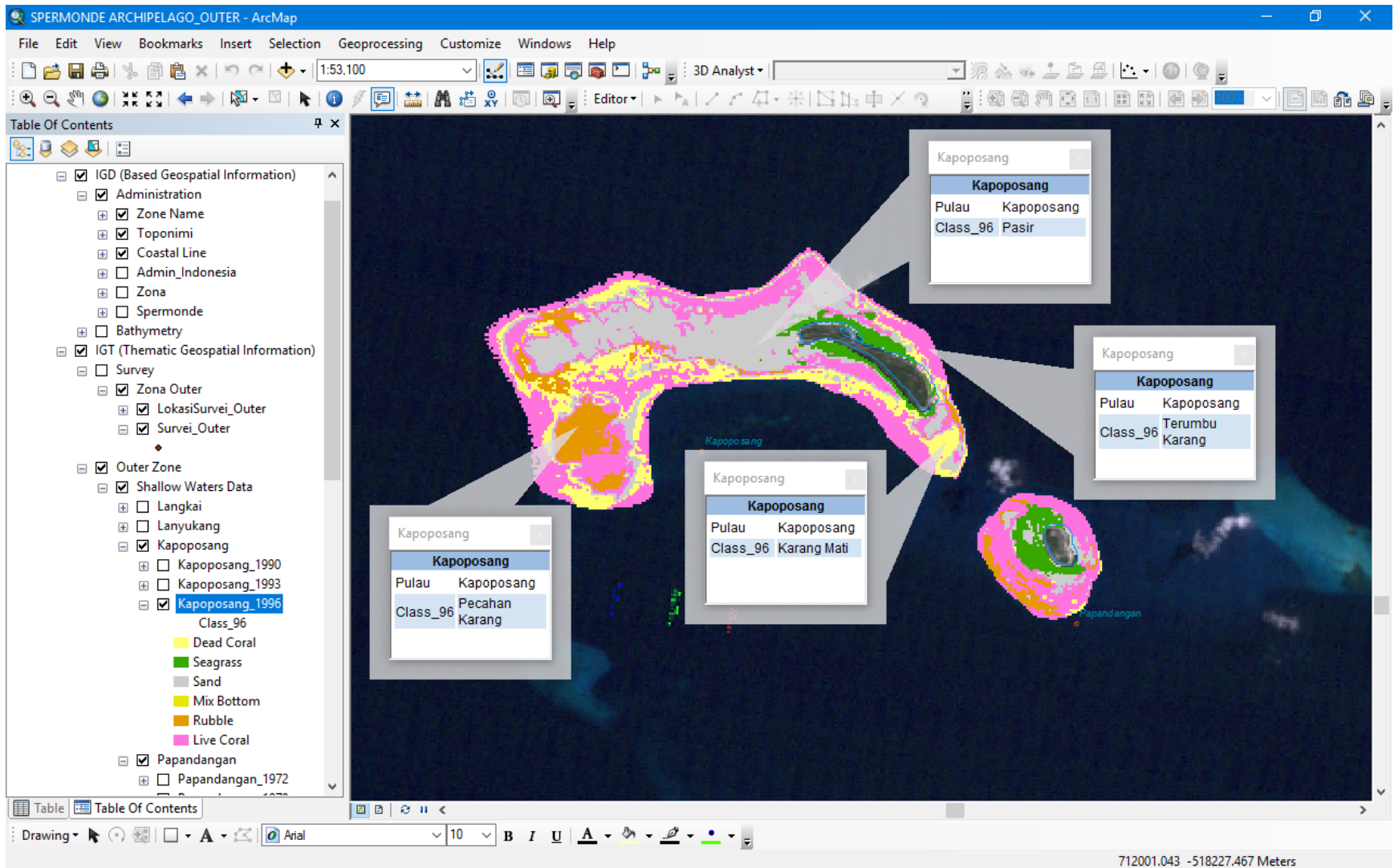
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Papandangan	
Pulau	Papandangan
Class_90	Terumbu Karang

Papandangan

Papandangan	
Pulau	Papandangan
Class_90	Terumbu Karang





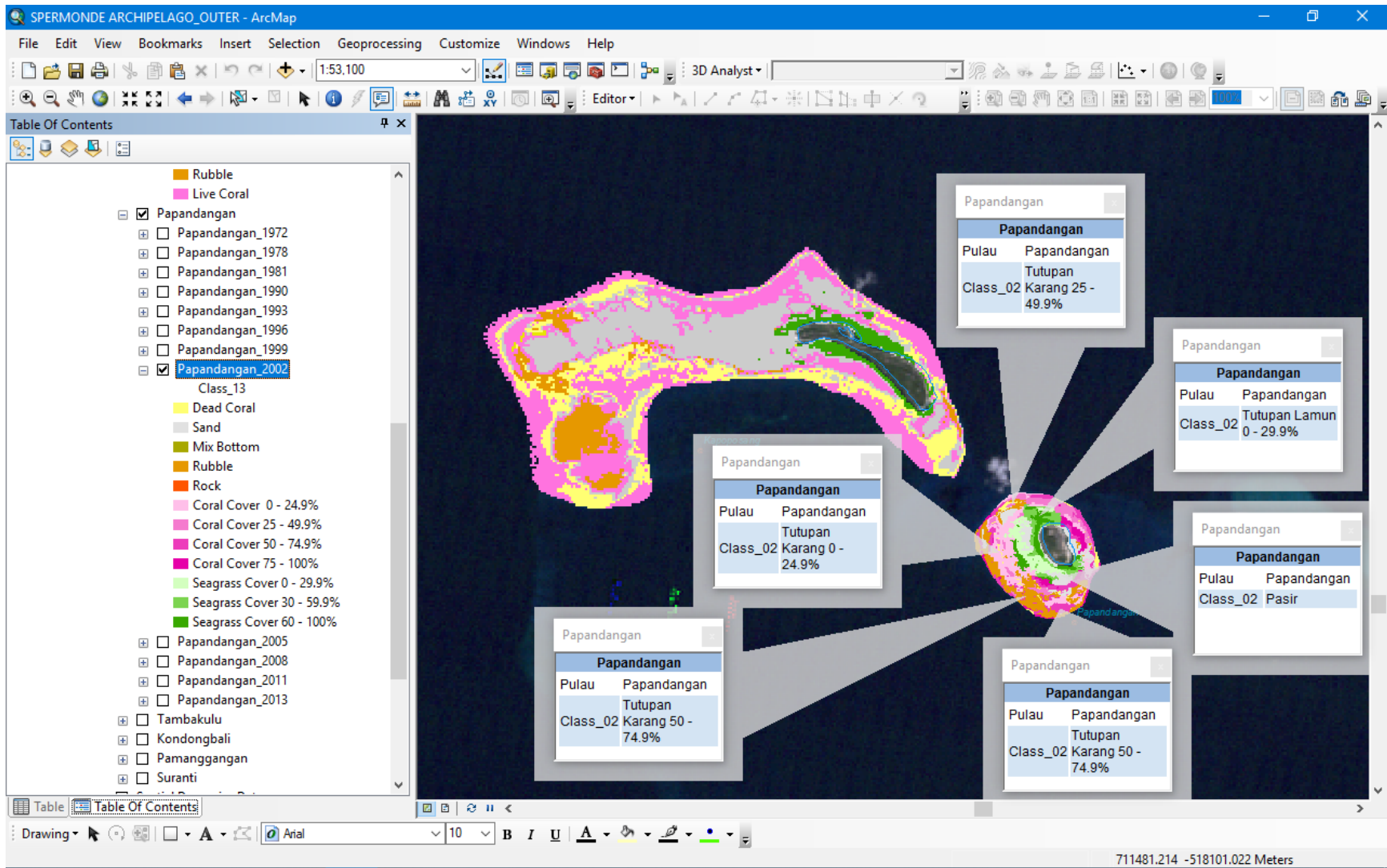


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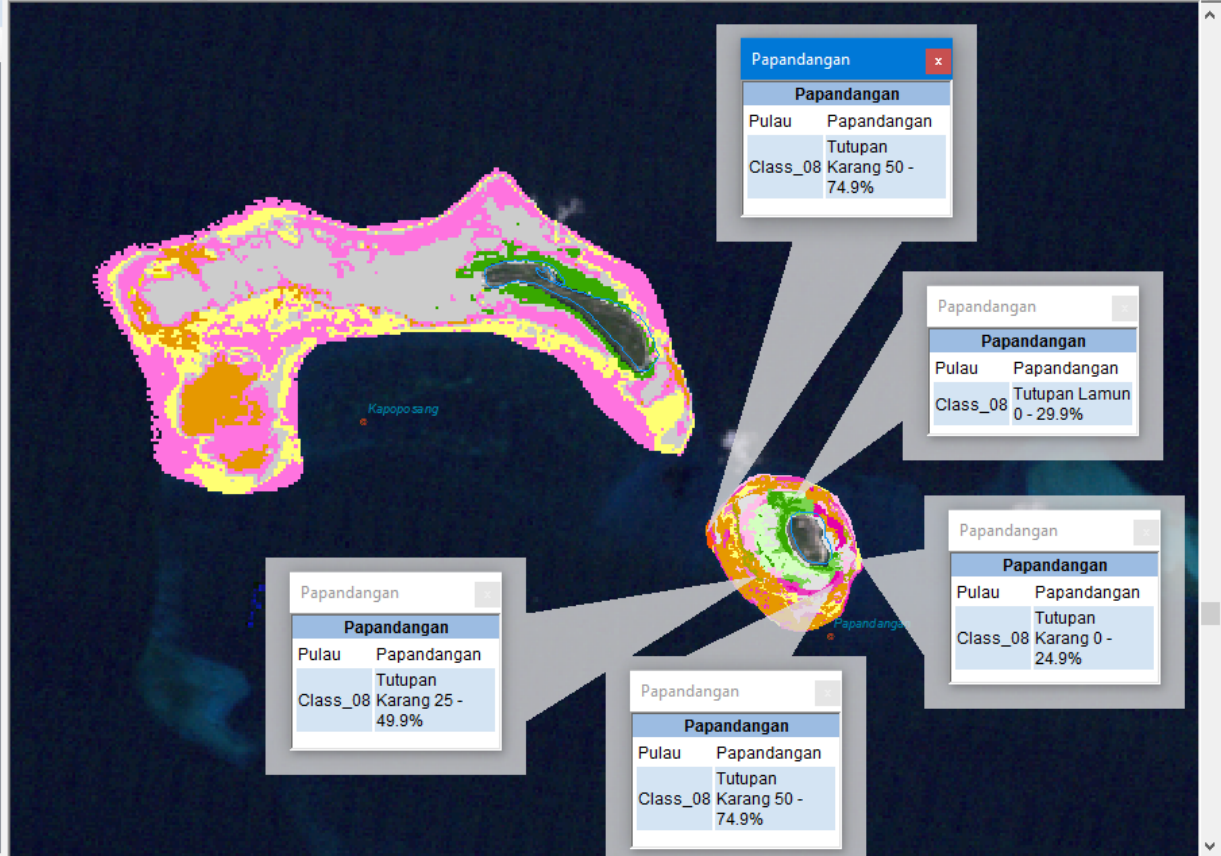


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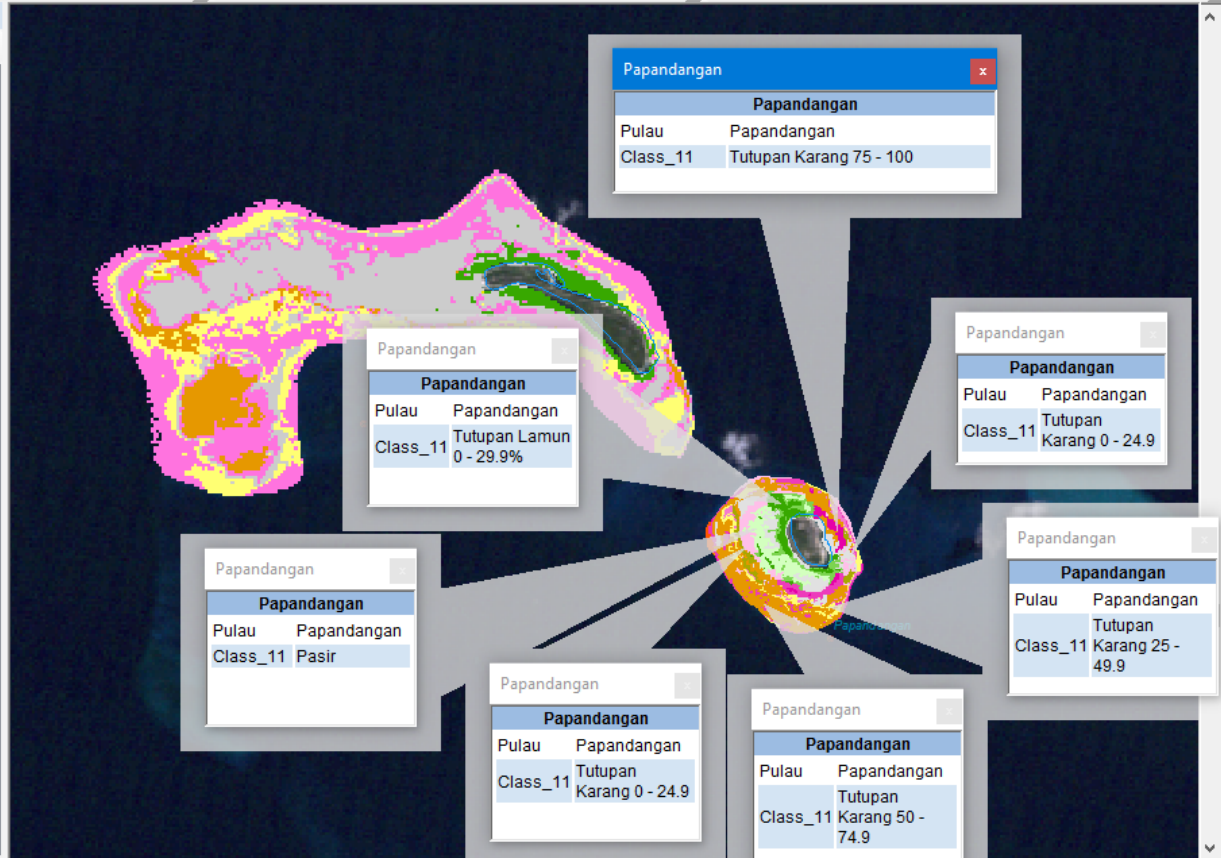
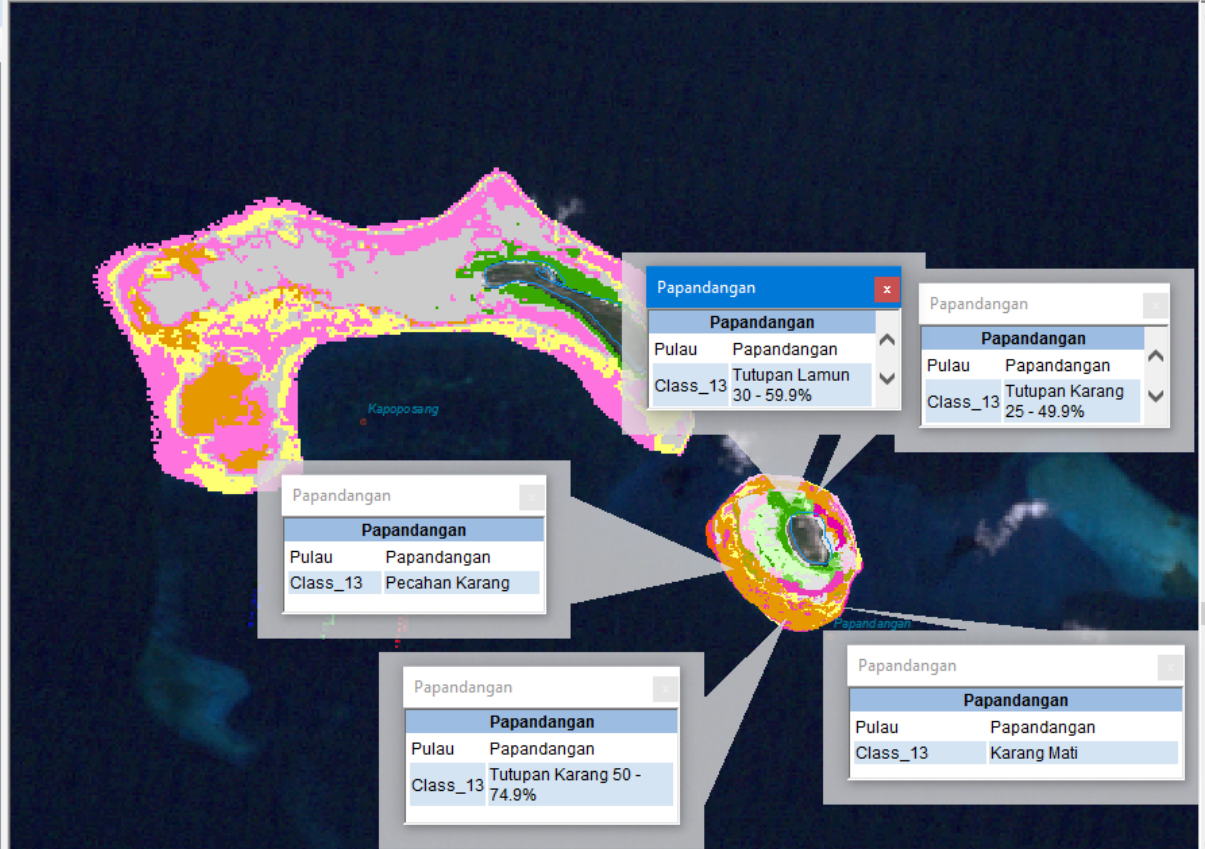


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Papandangan

Papandangan

GOPR0417\_13.jpg

GOPR0417_13.jpg	GOPR0417_14.jpg
GOPR0417_18.jpg	GOPR0417_19.jpg
GOPR0417_31.jpg	

OBJECTID\_1 82

Pulau	Papandangan
GPS_ID	SGR 9
X	118° 58' 47.021" E
Y	4° 43' 23.059" S

Deskripsi Kedalaman 0.6m, Seagrass 50% (HalodulecanCymodose), Alga 50% (boottlea)

Papandangan

Papandangan

GOPR0418\_19.jpg

GOPR0418_19.jpg	GOPR0418_23.jpg
GOPR0418_35.jpg	GOPR0418_52.jpg
GOPR0418_62.jpg	

OBJECTID\_1 25

Pulau	Papandangan
GPS_ID	DC 3
X	118° 58' 49.444" E
Y	4° 43' 38.486" S

Deskripsi Recovery Branching 60%, DCA 40%, Rubble alga 10%, Kondisi Perairan Menjelang surut

Papandangan

Papandangan

GOPR0420\_19.jpg

GOPR0420_19.jpg	GOPR0420_23.jpg
GOPR0420_30.jpg	GOPR0420_47.jpg
GOPR0420_49.jpg	

OBJECTID\_1 39

Pulau	Papandangan
GPS_ID	LC 11
X	118° 58' 21.991" E
Y	4° 43' 19.204" S

Deskripsi Rubble alga 80%, Rock alga 10%, Live Coral (massive) 5%, Sand 5%

Papandangan

Papandangan

GOPR0427\_18.jpg

GOPR0427_18.jpg	GOPR0427_23.jpg
GOPR0427_26.jpg	GOPR0427_31.jpg

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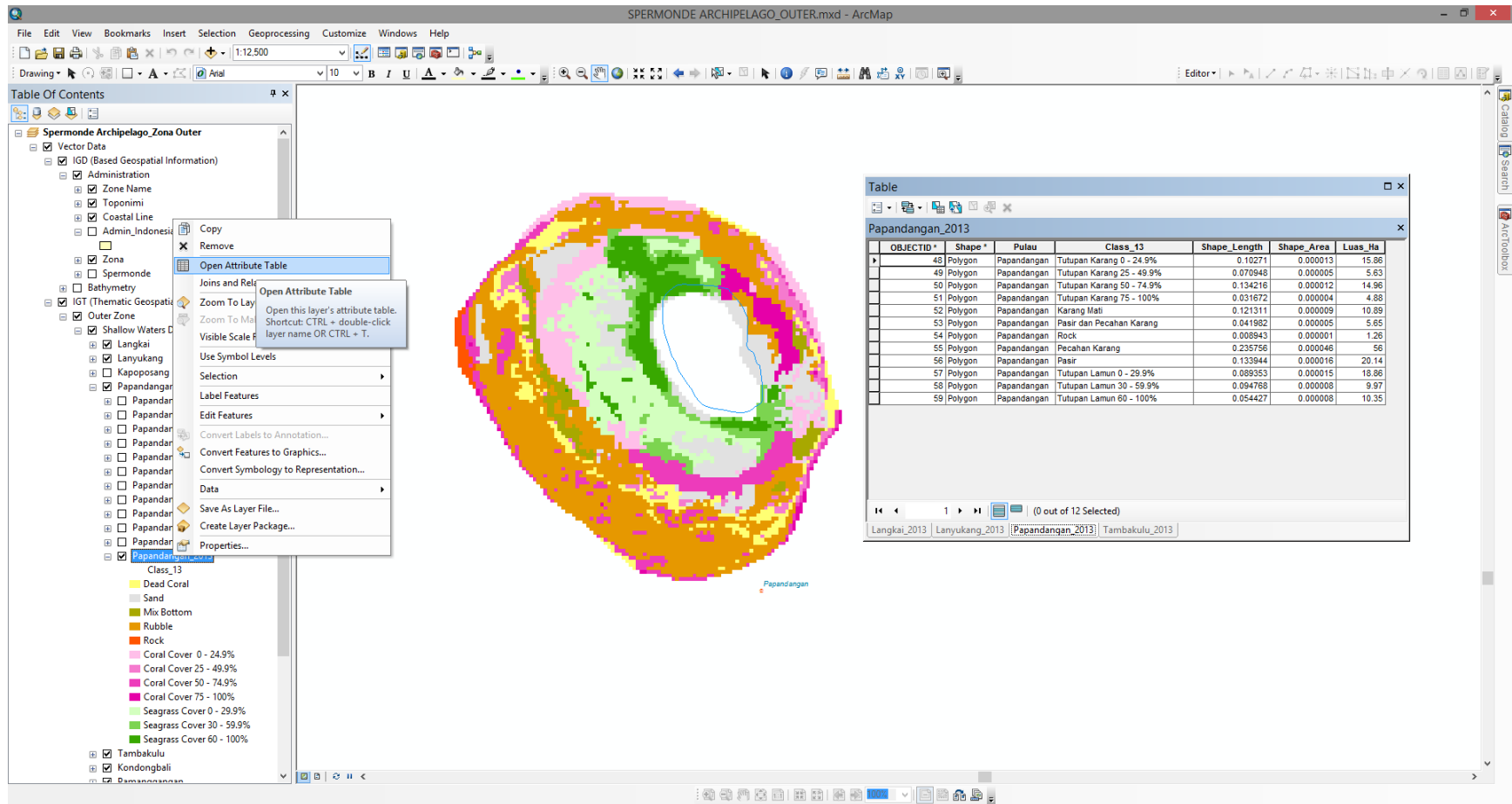
Pulau	Papandangan
GPS_ID	265
X	118° 58' 42.582" E
Y	4° 43' 40.436" S

Deskripsi Rubble Alga 60%, Rock Alga hitam40%

710233.63 -521477.55 Meters

10:03 AM 5/6/2019

# Luas Perairan Dangkal Pulau Papandangan



## Table



## Papandangan\_2013

OBJECTID *	Shape *	Pulau	Class_13	Shape_Length	Shape_Area	Luas_Ha
48	Polygon	Papandangan	Tutupan Karang 0 - 24.9%	0.10271	0.000013	15.86
49	Polygon	Papandangan	Tutupan Karang 25 - 49.9%	0.070948	0.000005	5.63
50	Polygon	Papandangan	Tutupan Karang 50 - 74.9%	0.134216	0.000012	14.96
51	Polygon	Papandangan	Tutupan Karang 75 - 100%	0.031672	0.000004	4.88
52	Polygon	Papandangan	Karang Mati	0.121311	0.000009	10.89
53	Polygon	Papandangan	Pasir dan Pecahan Karang	0.041982	0.000005	5.65
54	Polygon	Papandangan	Rock	0.008943	0.000001	1.26
55	Polygon	Papandangan	Pecahan Karang	0.235756	0.000046	56
56	Polygon	Papandangan	Pasir	0.133944	0.000016	20.14
57	Polygon	Papandangan	Tutupan Lamun 0 - 29.9%	0.089353	0.000015	18.86
58	Polygon	Papandangan	Tutupan Lamun 30 - 59.9%	0.094768	0.000008	9.97
59	Polygon	Papandangan	Tutupan Lamun 60 - 100%	0.054427	0.000008	10.35

## Table



## Papandangan\_2002

OBJECTID *	Shape *	Pulau	Class_02	Shape_Length	Shape_Area	Luas_Ha
48	Polygon	Papandangan	Tutupan Karang 0 - 24.9%	0.174594	0.000026	31.94
49	Polygon	Papandangan	Tutupan Karang 25 - 49.9%	0.100658	0.000014	16.98
50	Polygon	Papandangan	Tutupan Karang 50 - 74.9%	0.160639	0.000018	21.96
51	Polygon	Papandangan	Tutupan Karang 75 - 100%	0.071131	0.000007	9.18
52	Polygon	Papandangan	Karang Mati	0.061868	0.000004	4.53
53	Polygon	Papandangan	Pecahan Karang	0.160943	0.000025	30.54
54	Polygon	Papandangan	Pasir	0.131238	0.000016	20.16
55	Polygon	Papandangan	Tutupan Lamun 0 - 29.9%	0.062942	0.000011	14.02
56	Polygon	Papandangan	Tutupan Lamun 30 - 59.9%	0.086797	0.000011	13.34
57	Polygon	Papandangan	Tutupan Lamun 60 - 100%	0.063401	0.00001	11.79

### Table



### Papandangan\_1990

OBJECTID *	Shape *	Pulau	Class_90	Shape_Length	Shape_Area	Luas_Ha
29	Polygon	Papandangan	Terumbu Karang	0.184391	0.000081	99.45
30	Polygon	Papandangan	Karang Mati	0.016789	0.000002	2.43
31	Polygon	Papandangan	Pecahan Karang	0.057731	0.000012	15.33
32	Polygon	Papandangan	Pasir	0.086123	0.000014	17.28
33	Polygon	Papandangan	Padang Lamun	0.067423	0.000033	39.92

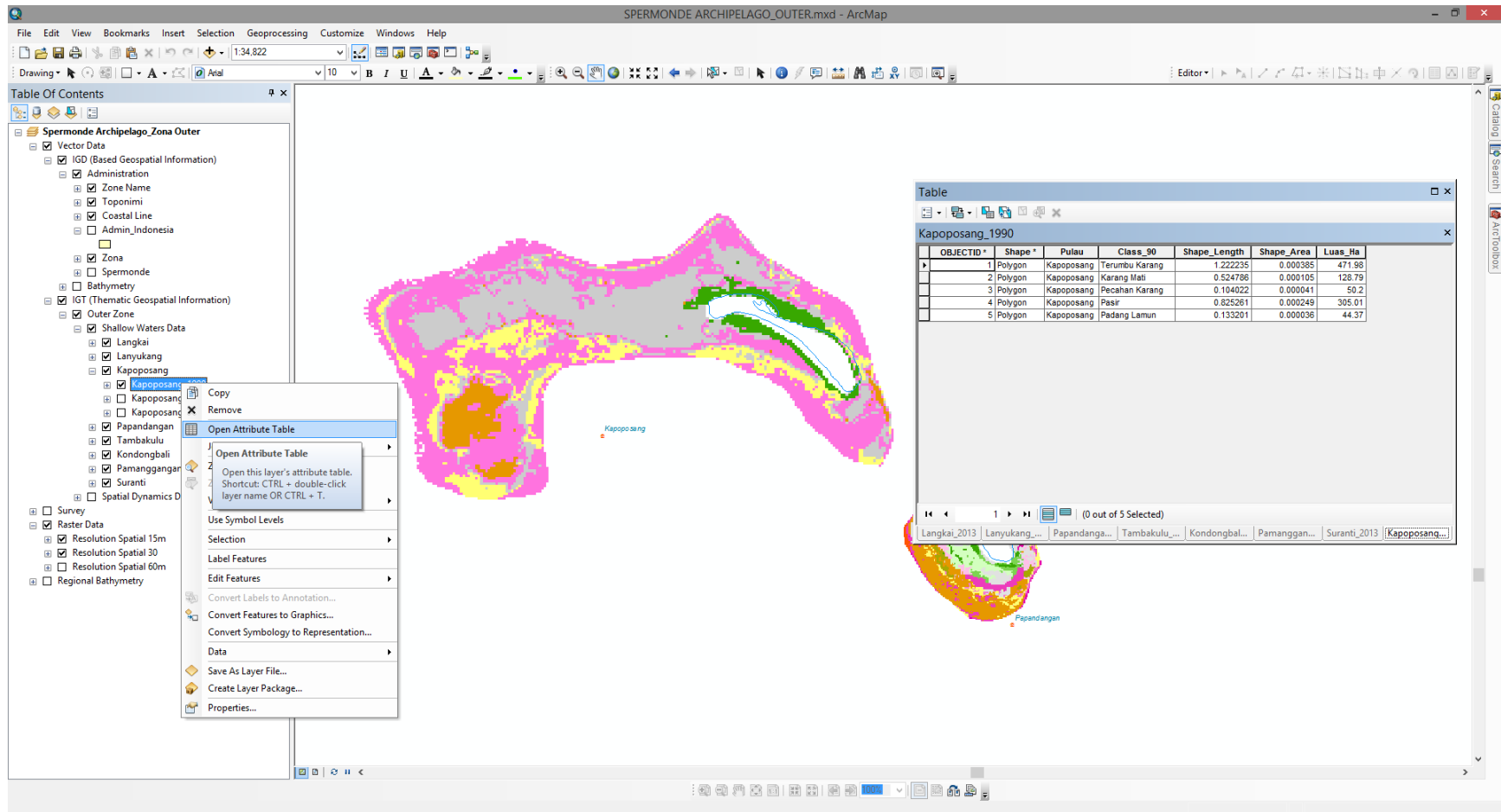
### Table



### Papandangan\_1972

OBJECTID *	Shape *	Pulau	Class_72	Shape_Length	Shape_Area	Luas_Ha
22	Polygon	Papandangan	Terumbu Karang	0.112951	0.000089	109.59
23	Polygon	Papandangan	Karang Mati	0.002193	0	0.37
24	Polygon	Papandangan	Pecahan Karang	0.007678	0.000002	1.84
25	Polygon	Papandangan	Pasir	0.04716	0.00002	24.72
26	Polygon	Papandangan	Padang Lamun	0.060309	0.000031	38.01

# Luas Perairan Dangkal Pulau Kapoposang



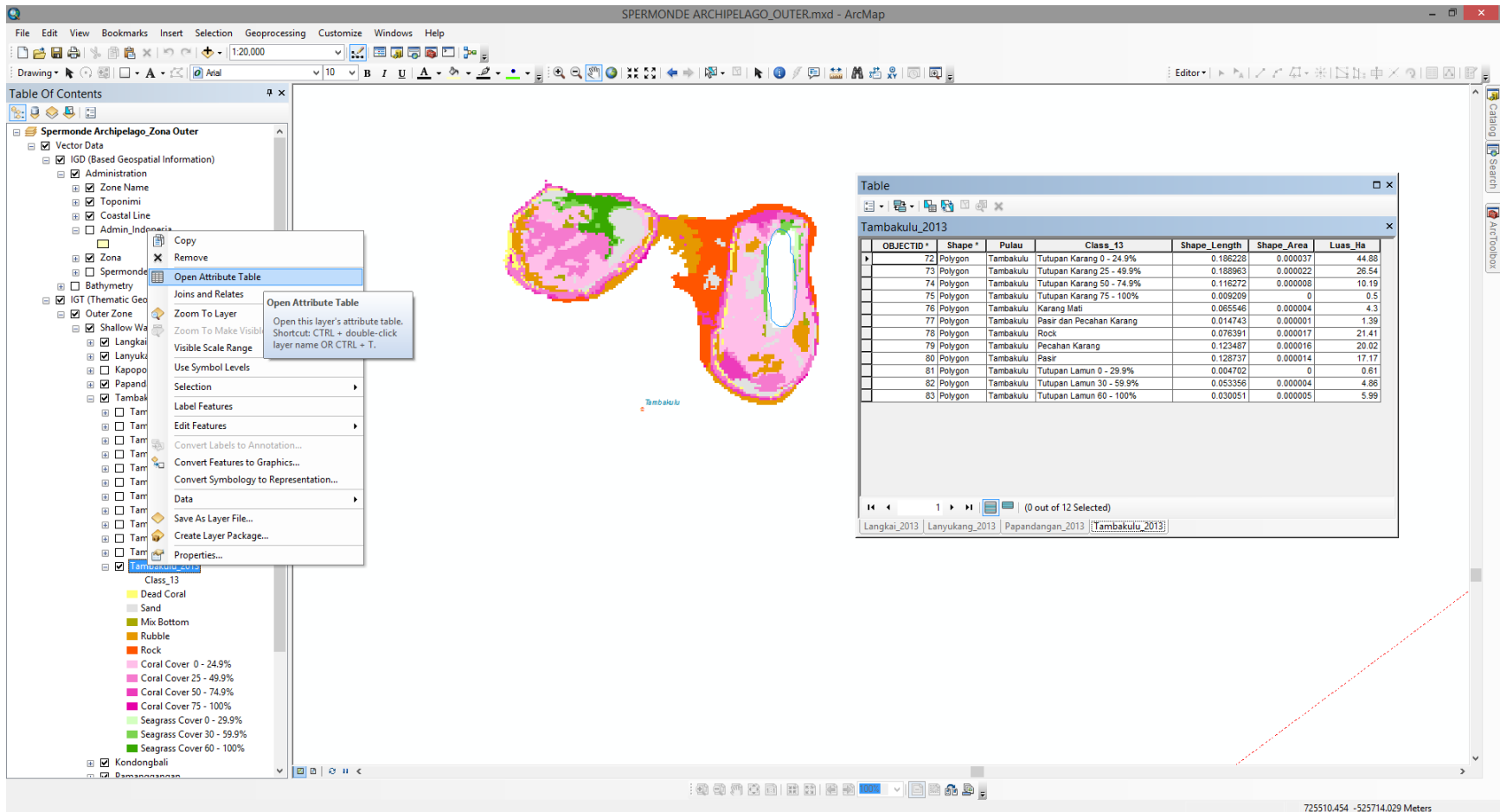
## Table



### Kapoposang\_1990

	OBJECTID *	Shape *	Pulau	Class_90	Shape_Length	Shape_Area	Luas_Ha
	1	Polygon	Kapoposang	Terumbu Karang	1.222235	0.000385	471.98
	2	Polygon	Kapoposang	Karang Mati	0.524786	0.000105	128.79
	3	Polygon	Kapoposang	Pecahan Karang	0.104022	0.000041	50.2
	4	Polygon	Kapoposang	Pasir	0.825261	0.000249	305.01
	5	Polygon	Kapoposang	Padang Lamun	0.133201	0.000036	44.37

# Luas Perairan Dangkal Pulau Tambakulu



## Table



## Tambakulu\_2013

OBJECTID *	Shape *	Pulau	Class_13	Shape_Length	Shape_Area	Luas_Ha
72	Polygon	Tambakulu	Tutupan Karang 0 - 24.9%	0.186228	0.000037	44.88
73	Polygon	Tambakulu	Tutupan Karang 25 - 49.9%	0.188963	0.000022	26.54
74	Polygon	Tambakulu	Tutupan Karang 50 - 74.9%	0.116272	0.000008	10.19
75	Polygon	Tambakulu	Tutupan Karang 75 - 100%	0.009209	0	0.5
76	Polygon	Tambakulu	Karang Mati	0.065546	0.000004	4.3
77	Polygon	Tambakulu	Pasir dan Pecahan Karang	0.014743	0.000001	1.39
78	Polygon	Tambakulu	Rock	0.076391	0.000017	21.41
79	Polygon	Tambakulu	Pecahan Karang	0.123487	0.000016	20.02
80	Polygon	Tambakulu	Pasir	0.128737	0.000014	17.17
81	Polygon	Tambakulu	Tutupan Lamun 0 - 29.9%	0.004702	0	0.61
82	Polygon	Tambakulu	Tutupan Lamun 30 - 59.9%	0.053356	0.000004	4.86
83	Polygon	Tambakulu	Tutupan Lamun 60 - 100%	0.030051	0.000005	5.99

## Table



## Tambakulu\_2002

OBJECTID *	Shape *	Pulau	Class_02	Shape_Length	Shape_Area	Luas_Ha
70	Polygon	Tambakulu	Tutupan Karang 0 - 24.9%	0.21573	0.000038	46.14
71	Polygon	Tambakulu	Tutupan Karang 25 - 49.9%	0.192803	0.000027	32.68
72	Polygon	Tambakulu	Tutupan Karang 50 - 74.9%	0.114932	0.00001	12.04
73	Polygon	Tambakulu	Tutupan Karang 75 - 100%	0.040066	0.000003	3.08
74	Polygon	Tambakulu	Karang Mati	0.051709	0.000003	3.58
75	Polygon	Tambakulu	Pasir dan Pecahan Karang	0.006047	0.000001	0.81
76	Polygon	Tambakulu	Rock	0.047456	0.000012	14.26
77	Polygon	Tambakulu	Pecahan Karang	0.109245	0.000014	17.19
78	Polygon	Tambakulu	Pasir	0.130783	0.000014	17.29
79	Polygon	Tambakulu	Tutupan Lamun 0 - 29.9%	0.003075	0	0.29
80	Polygon	Tambakulu	Tutupan Lamun 30 - 59.9%	0.046263	0.000004	5.21
81	Polygon	Tambakulu	Tutupan Lamun 60 - 100%	0.031181	0.000004	5.26

## Table



## Tambakulu\_1990

OBJECTID *	Shape *	Pulau	Class_90	Shape_Length	Shape_Area	Luas_Ha
40	Polygon	Tambakulu	Terumbu Karang	0.188997	0.000109	133.65
41	Polygon	Tambakulu	Karang Mati	0.018403	0.000002	2.25
42	Polygon	Tambakulu	Pasir dan Pecahan Karang	0.014086	0.000004	4.77
43	Polygon	Tambakulu	Pecahan Karang	0.025455	0.000004	5.22
44	Polygon	Tambakulu	Pasir	0.060638	0.000014	17.2
45	Polygon	Tambakulu	Padang Lamun	0.05577	0.000009	11.33

## Table



## Tambakulu\_1972

OBJECTID *	Shape *	Pulau	Class_72	Shape_Length	Shape_Area	Luas_Ha
33	Polygon	Tambakulu	Terumbu Karang	0.117319	0.000114	140.22
34	Polygon	Tambakulu	Karang Mati	0.004386	0.000001	0.74
35	Polygon	Tambakulu	Pasir	0.047173	0.000002	23.98
36	Polygon	Tambakulu	Padang Lamun	0.030697	0.000009	10.7



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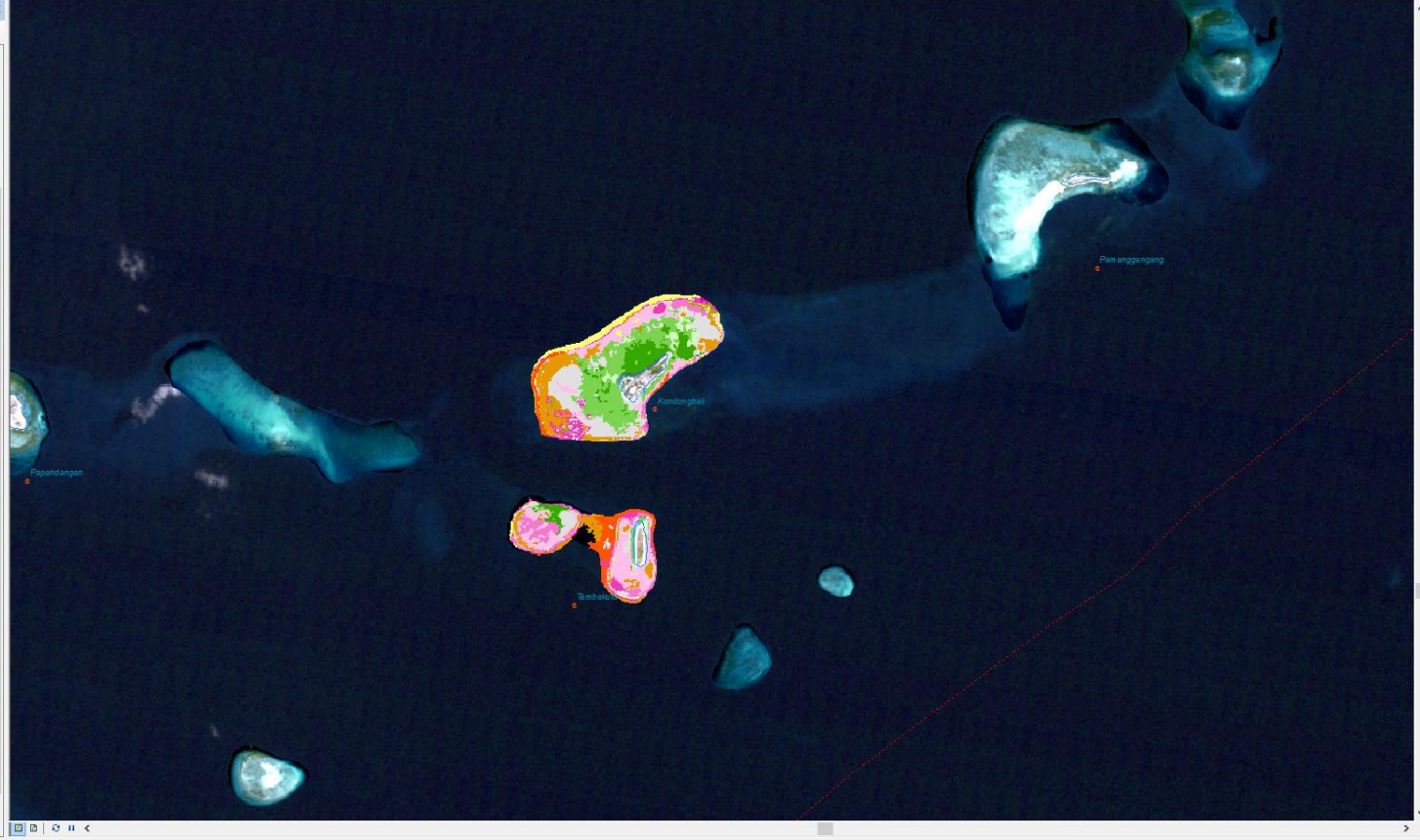
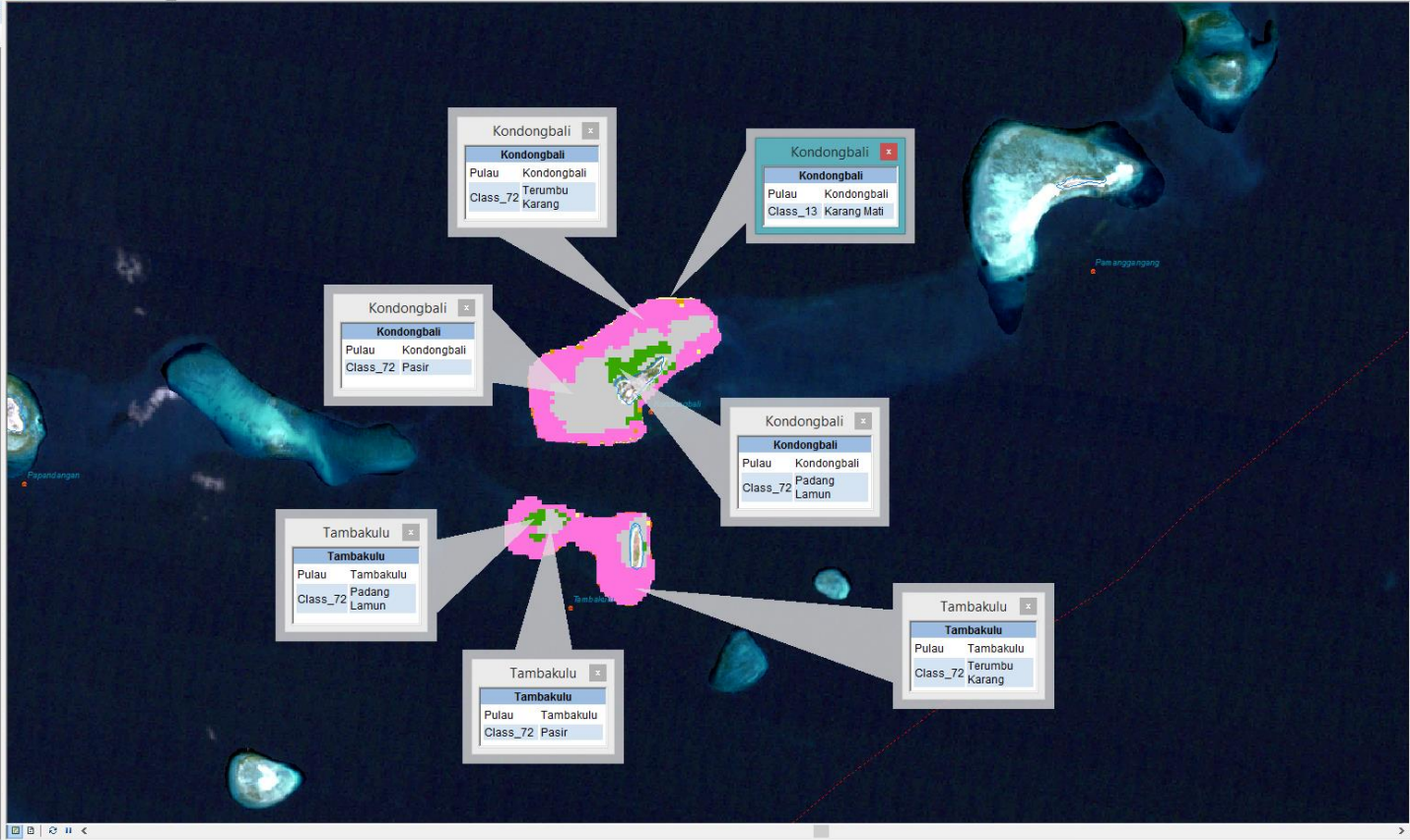


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              - Kondongbali\_2005
              - Kondongbali\_2008



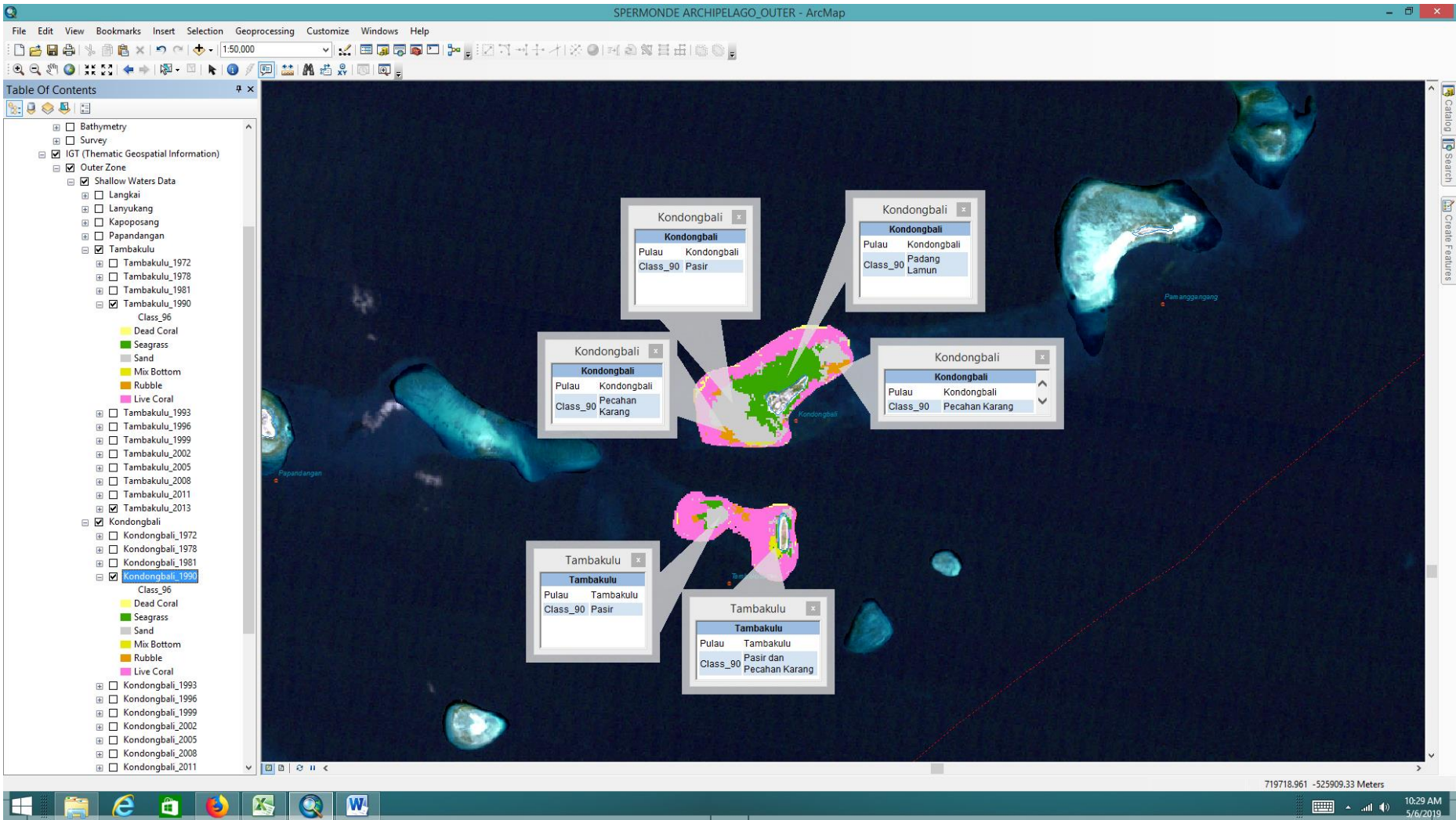


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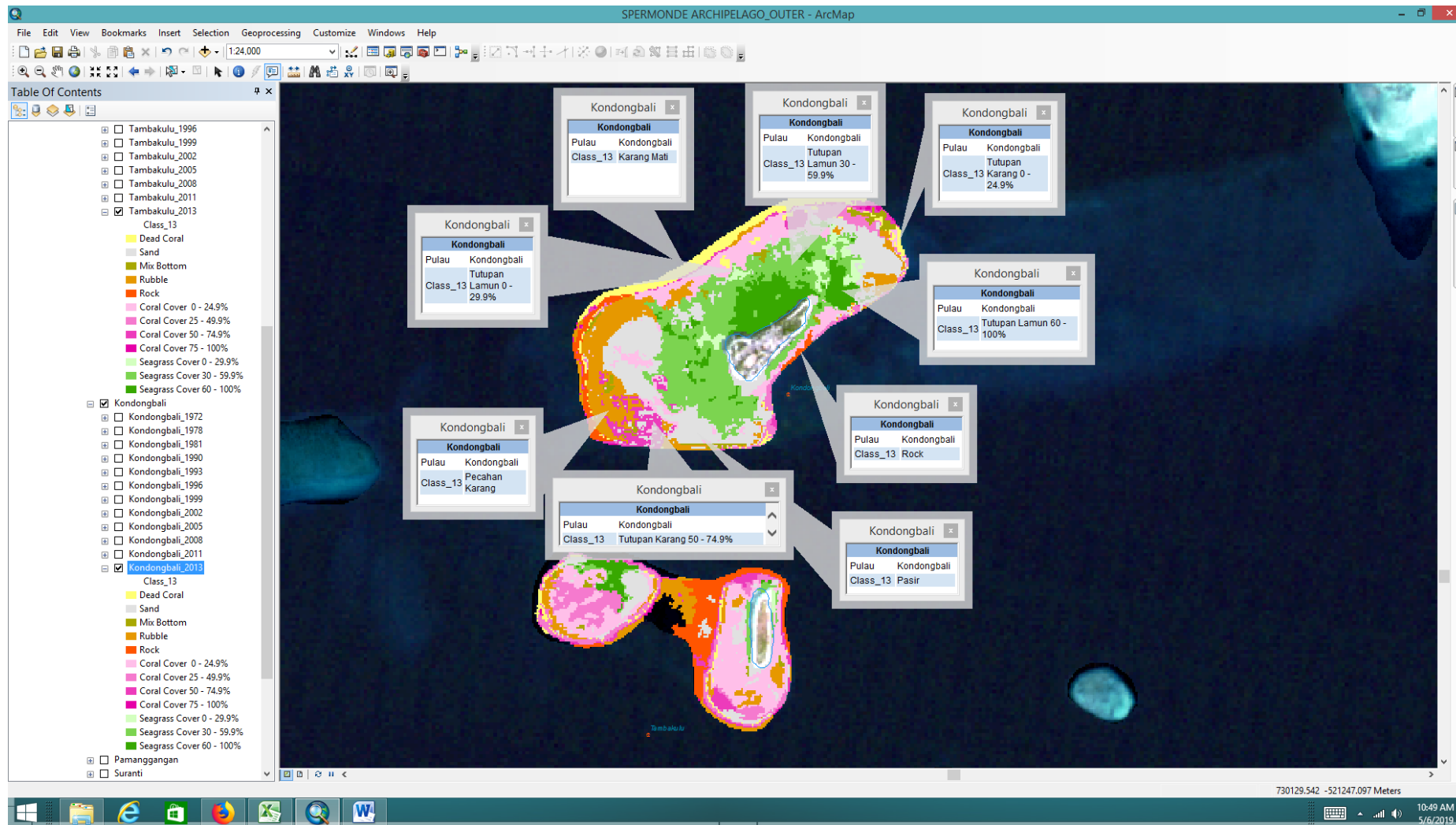


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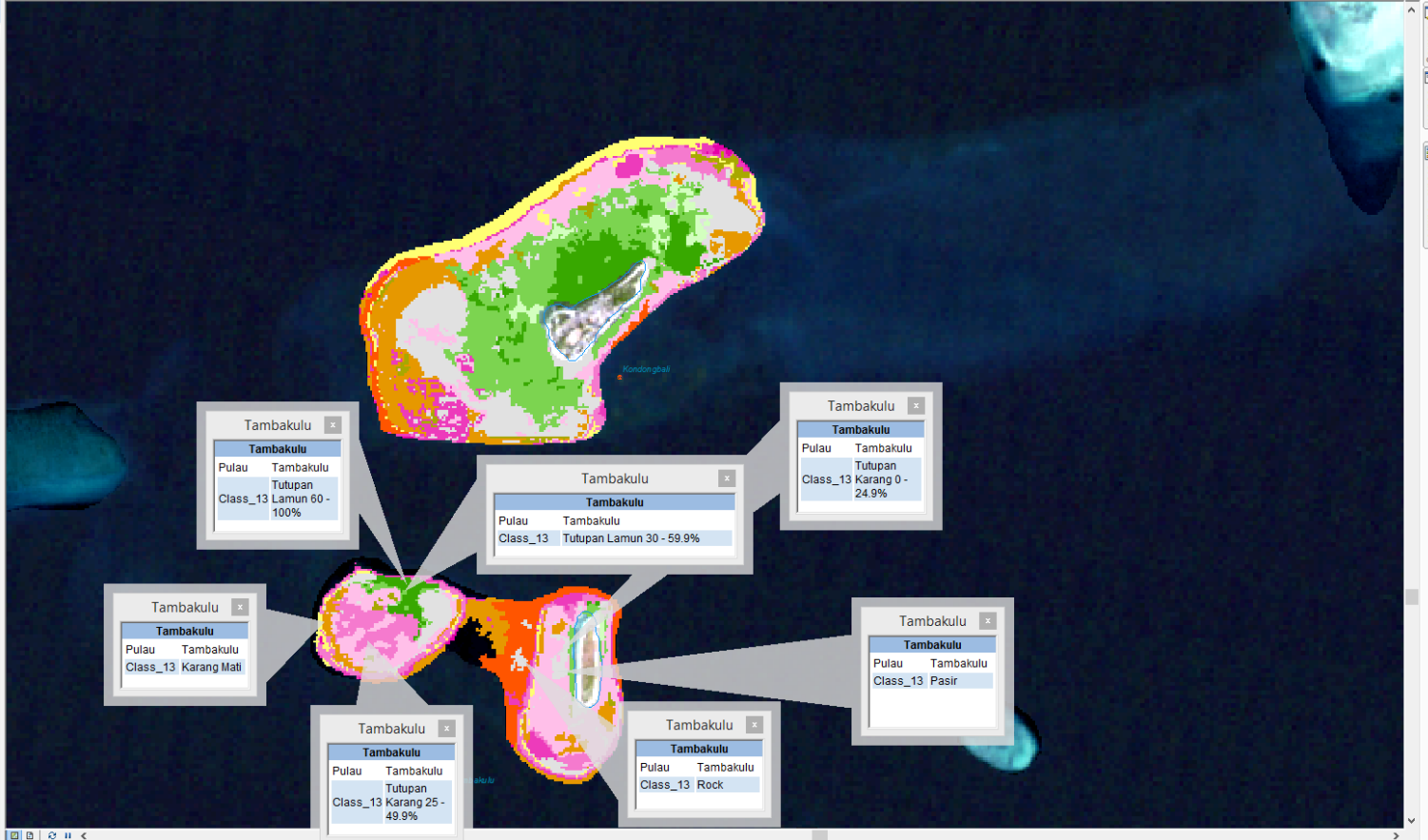
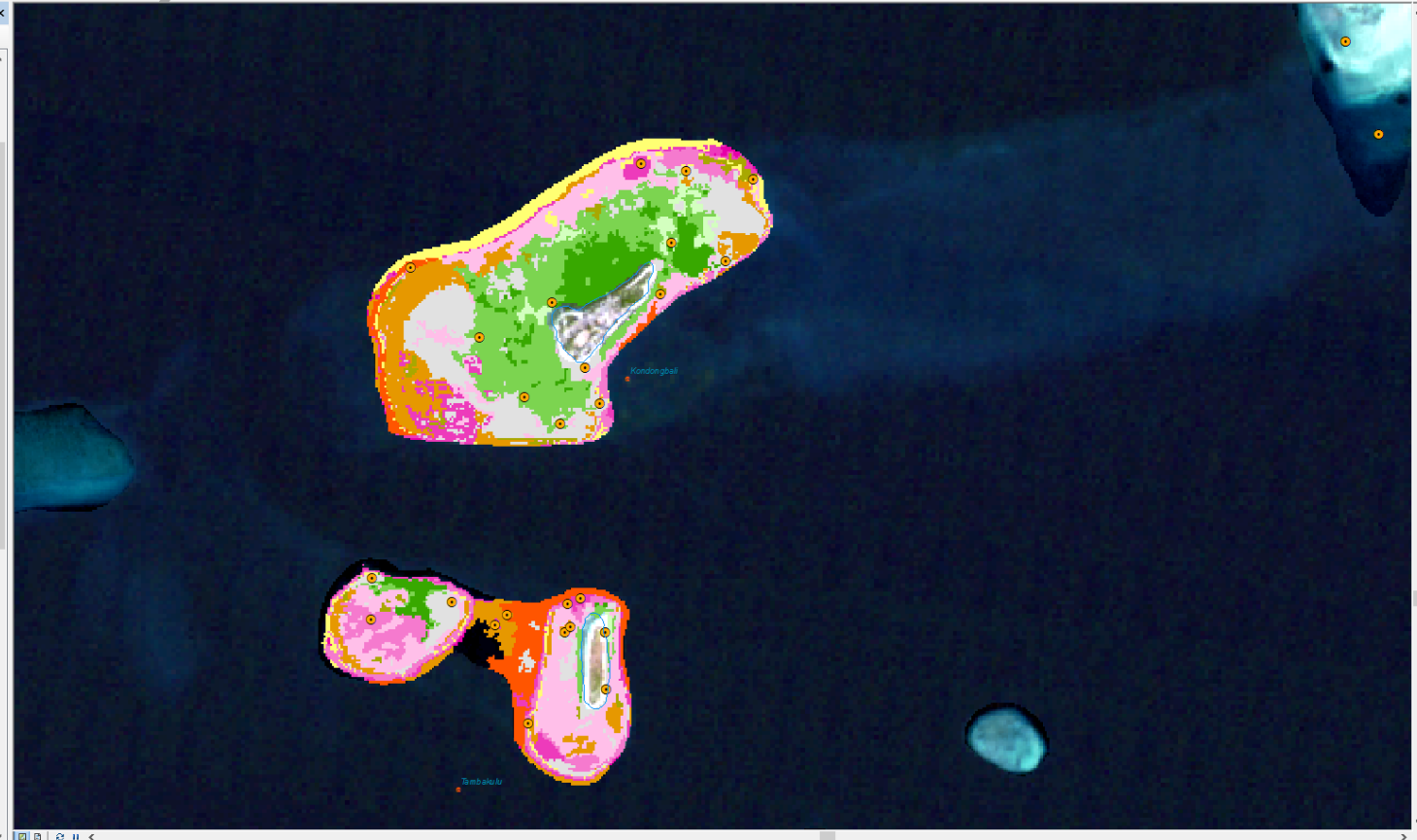


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- Pamanggangan

Kondongbali



GOPR0445 07.jpg

GOPR0445 07.jpg	GOPR0445 10.jpg
GOPR0445 14.jpg	GOPR0445 26.jpg

OBJECTID\_1 60

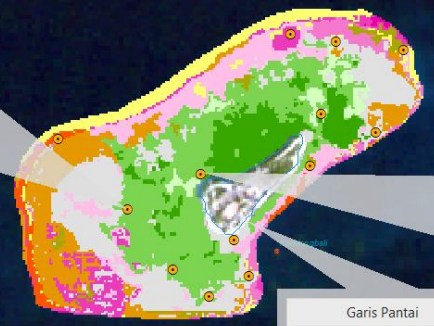
Pulau Kondongbali

GPS\_ID SGR 10


X 119° 3' 20.545" E

Y 4° 43' 5.189" S

Deskripsi Seagrass 75%, Sand 25%, Kedalaman 0.8m



Kondongbali



GOPR0446 21.jpg

GOPR0446 21.jpg	GOPR0446 25.jpg
GOPR0446 31.jpg	GOPR0446 32.jpg

OBJECTID\_1 74

Pulau Kondongbali

GPS\_ID SGR 15

X 119° 3' 36.787" E

Y 4° 42' 57.326" S

Deskripsi Seagrass 90% (Thalasia 80%, Enhalus 20%), Sand 10%

Garis Pantai

Garis Pantai	
OBJECTID_12	3749
OBJECTID_1	3749
NAMOBJ	Garis Pantai
NAMLIN	COALNE
KATGPT	0
STASRV	
KODFTR	
PNJGKM	2.145485
TIPEGP	
INFORM	
REMARK	
JNBTGP	Batas Air Laut
PJGOBK	0
SBDATA	
REGION	Sulawesi
Shape_Leng	0.019351
Shape_Le_1	0.019351

SPERMONDE ARCHIPELAGO\_OUTER - ArcMap

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Class\_13

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- Mix Bottom
- Rubble
- Rock
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- Coral Cover 25 - 49.9%
- Coral Cover 50 - 74.9%
- Coral Cover 75 - 100%
- Seagrass Cover 0 - 29.9%

Garis Pantai

OBJECTID_12	3734
OBJECTID_1	3734
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NAMLIN	COALNE
KATGPT	0
STASRV	
KODFTR	
PNUJGM	1.497973
TIPEGP	
INFORM	
REMARK	
JNBTGP	Batas Air Laut
PJCOBK	0
SBDATA	
REGION	Sulawesi
Shape_Leng	0.013534
Shape_Le_1	0.013534

Kondongbali

GOPR0451 11.jpg

[GOPR0451 11.jpg](#) [GOPR0451 15.jpg](#)

[GOPR0451 18.jpg](#) [GOPR0451 22.jpg](#)

OBJECTID\_1 14

Pulau Kondongbali

GPS\_ID LC 13

X 119° 3' 56.692" E

Y 4° 42' 26.050" S

Deskripsi Live Coral 70% (massive , Branching), Sand 10%, Rock 10%, Alga 10%

Kondongbali

GOPR0450 13.jpg

[GOPR0450 13.jpg](#) [GOPR0450 14.jpg](#)

[GOPR0450 15.jpg](#) [GOPR0450 16.jpg](#)

OBJECTID\_1 68

Pulau Kondongbali

GPS\_ID SD 12

X 119° 4' 6.840" E

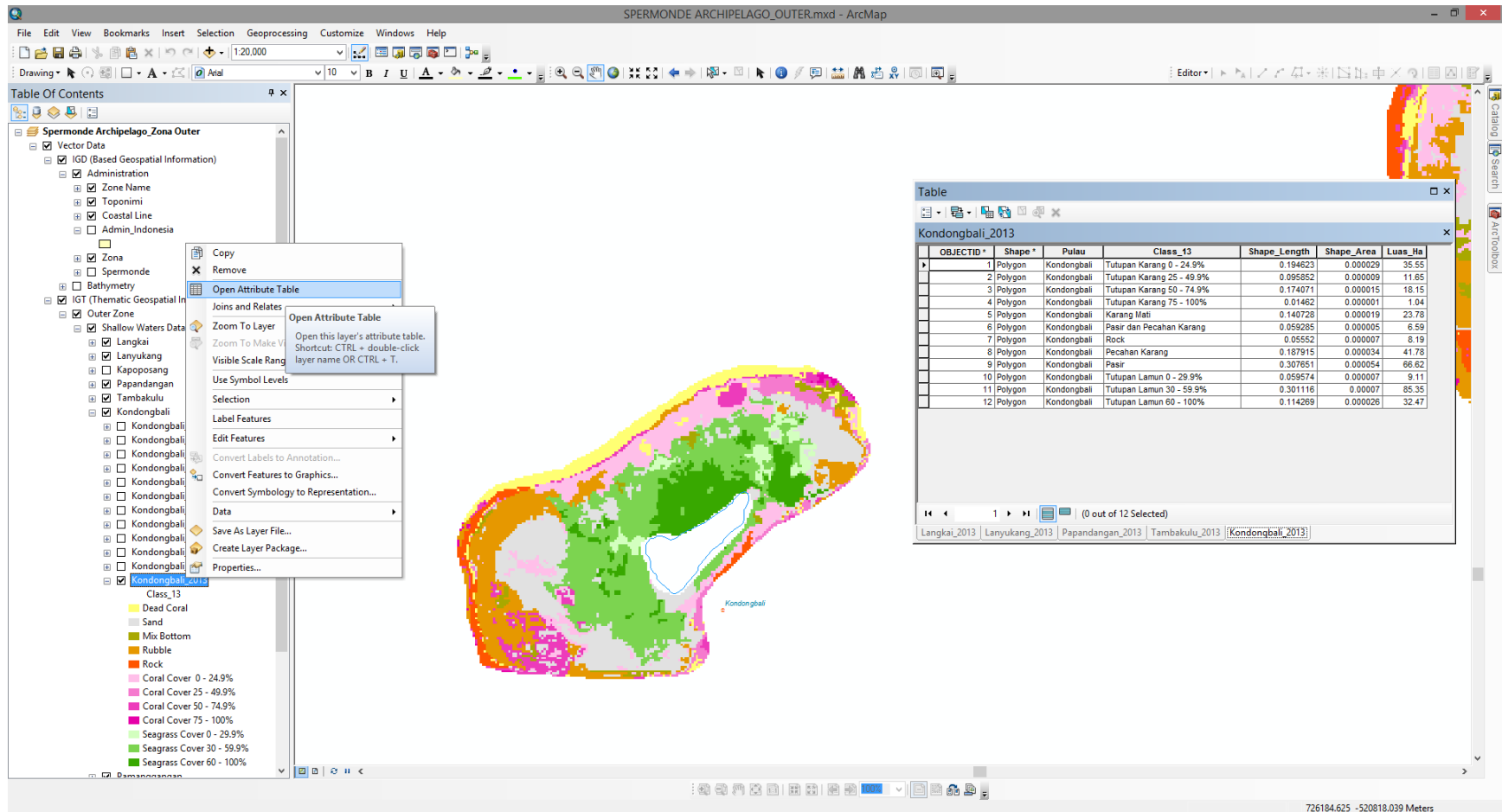
Y 4° 42' 27.772" S

Deskripsi Sand 80%, Live Coral 13% (Massive), Rubble 5%, Makroalga 2%

724109.73 -522301.199 Meters

11:14 AM  
5/6/2019

# Luas Perairan Dangkal Pulau Kondongbali



## Table



## Kondongbali\_2013

OBJECTID *	Shape *	Pulau	Class_13	Shape_Length	Shape_Area	Luas_Ha
1	Polygon	Kondongbali	Tutupan Karang 0 - 24.9%	0.194623	0.000029	35.55
2	Polygon	Kondongbali	Tutupan Karang 25 - 49.9%	0.095852	0.000009	11.65
3	Polygon	Kondongbali	Tutupan Karang 50 - 74.9%	0.174071	0.000015	18.15
4	Polygon	Kondongbali	Tutupan Karang 75 - 100%	0.01462	0.000001	1.04
5	Polygon	Kondongbali	Karang Mati	0.140728	0.000019	23.78
6	Polygon	Kondongbali	Pasir dan Pecahan Karang	0.059285	0.000005	6.59
7	Polygon	Kondongbali	Rock	0.05552	0.000007	8.19
8	Polygon	Kondongbali	Pecahan Karang	0.187915	0.000034	41.78
9	Polygon	Kondongbali	Pasir	0.307651	0.000054	66.62
10	Polygon	Kondongbali	Tutupan Lamun 0 - 29.9%	0.059574	0.000007	9.11
11	Polygon	Kondongbali	Tutupan Lamun 30 - 59.9%	0.301116	0.00007	85.35
12	Polygon	Kondongbali	Tutupan Lamun 60 - 100%	0.114269	0.000026	32.47

## Table



## Kondongbali\_2002

OBJECTID *	Shape *	Pulau	Class_02	Shape_Length	Shape_Area	Luas_Ha
1	Polygon	Kondongbali	Tutupan Karang 0 - 24.9%	0.321863	0.000047	57.45
2	Polygon	Kondongbali	Tutupan Karang 25 - 49.9%	0.120751	0.000013	16.34
3	Polygon	Kondongbali	Tutupan Karang 50 - 74.9%	0.137921	0.000011	13.93
4	Polygon	Kondongbali	Tutupan Karang 75 - 100%	0.066444	0.000007	8.53
5	Polygon	Kondongbali	Karang Mati	0.113001	0.000013	16.12
6	Polygon	Kondongbali	Pasir dan Pecahan Karang	0.038163	0.000004	4.3
7	Polygon	Kondongbali	Rock	0.036828	0.000003	4.25
8	Polygon	Kondongbali	Pecahan Karang	0.174594	0.000023	28.15
9	Polygon	Kondongbali	Pasir	0.275475	0.000054	65.88
10	Polygon	Kondongbali	Tutupan Lamun 0 - 29.9%	0.113564	0.00002	24.39
11	Polygon	Kondongbali	Tutupan Lamun 30 - 59.9%	0.270622	0.000045	55.19
12	Polygon	Kondongbali	Tutupan Lamun 60 - 100%	0.14549	0.000037	45.76

Table



Kondongbali\_1990

OBJECTID *	Shape *	Pulau	Class_90	Shape_Length	Shape_Area	Luas_Ha
6	Polygon	Kondongbali	Terumbu Karang	0.226882	0.000104	127.17
7	Polygon	Kondongbali	Karang Mati	0.042227	0.000005	6.57
8	Polygon	Kondongbali	Pasir dan Pecahan Karang	0.010819	0.000002	1.98
9	Polygon	Kondongbali	Pecahan Karang	0.049817	0.000013	15.39
10	Polygon	Kondongbali	Pasir	0.163535	0.000076	93.87
11	Polygon	Kondongbali	Padang Lamun	0.130519	0.000077	94.86

Table



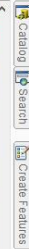
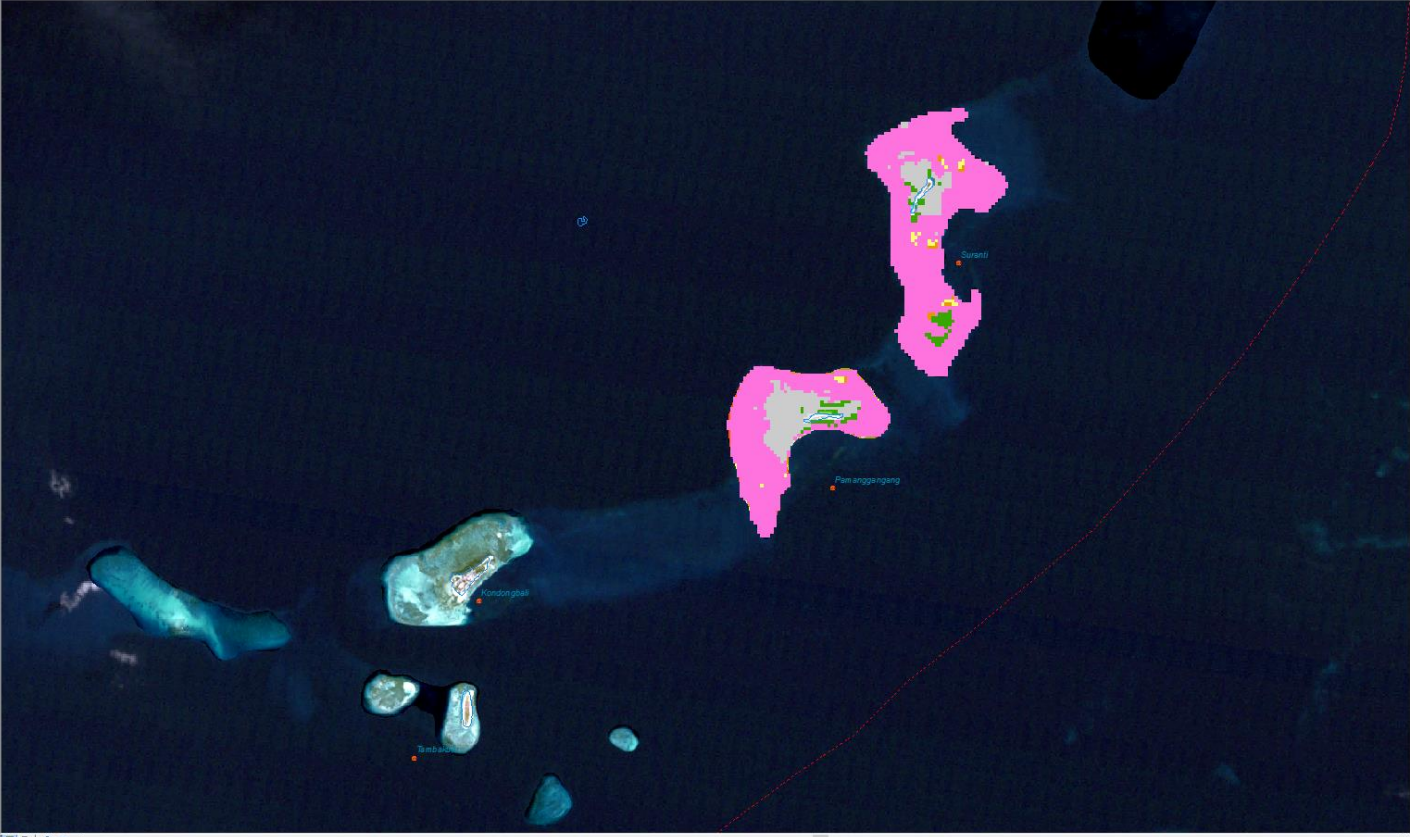
Kondongbali\_1972

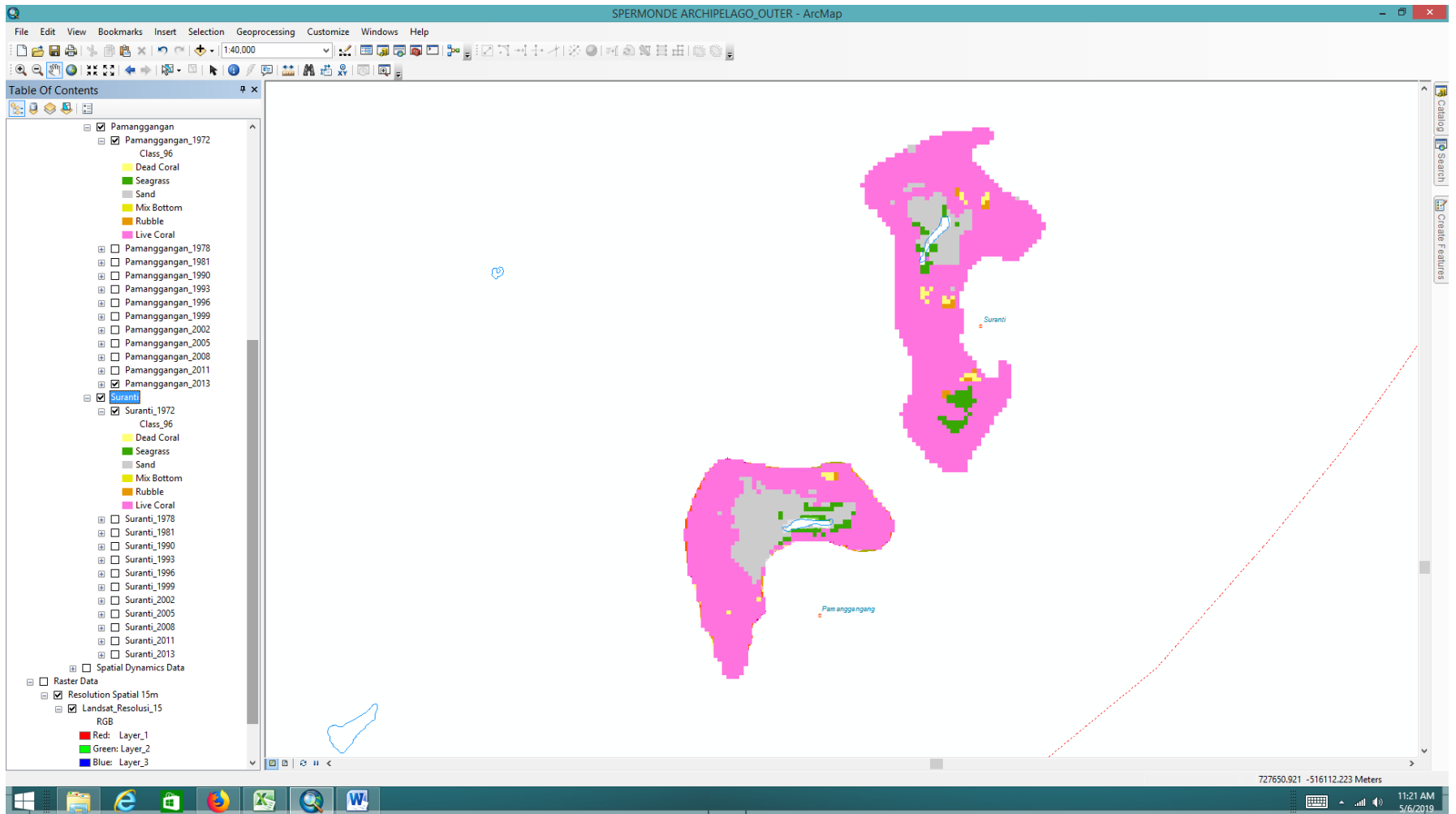
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1	Polygon	Kondongbali	Terumbu Karang	0.18199	0.000142	173.79
2	Polygon	Kondongbali	Karang Mati	0.004386	0.000001	0.74
3	Polygon	Kondongbali	Deep Water	0.004386	0.000001	0.74
4	Polygon	Kondongbali	Pecahan Karang	0.013155	0.000002	2.58
5	Polygon	Kondongbali	Pasir	0.1184	0.000109	133.94
6	Polygon	Kondongbali	Padang Lamun	0.053726	0.000022	26.57



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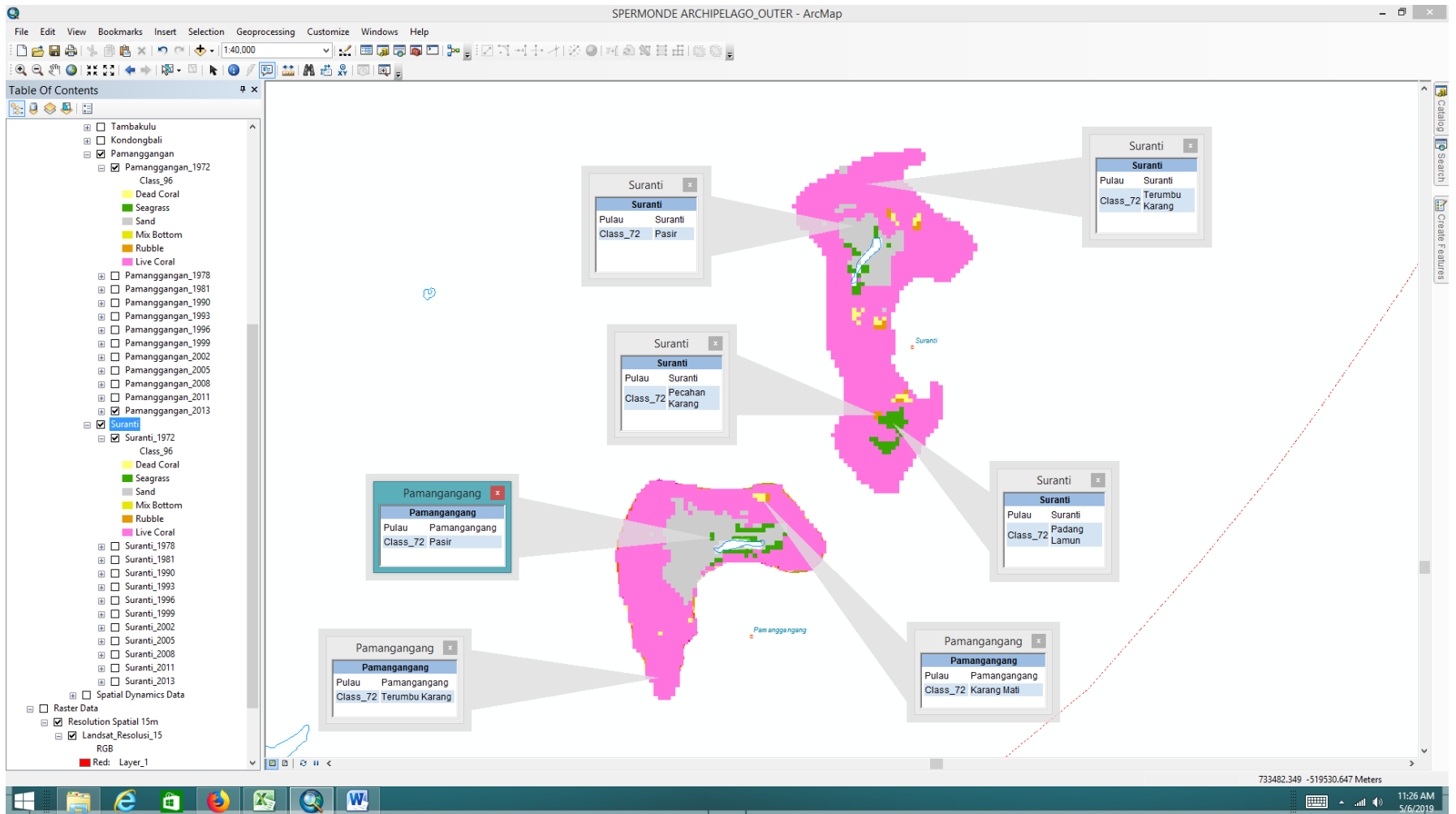
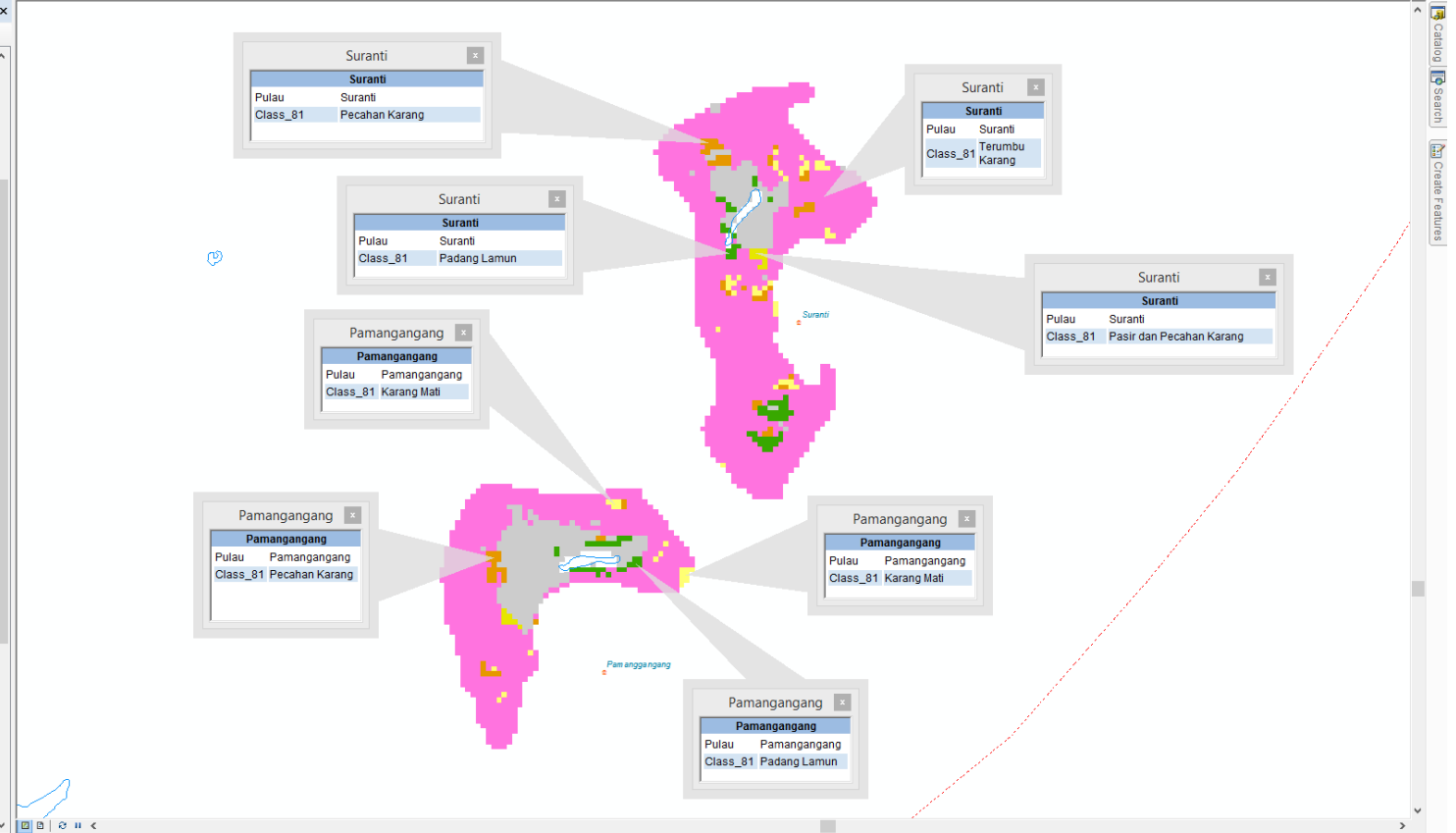
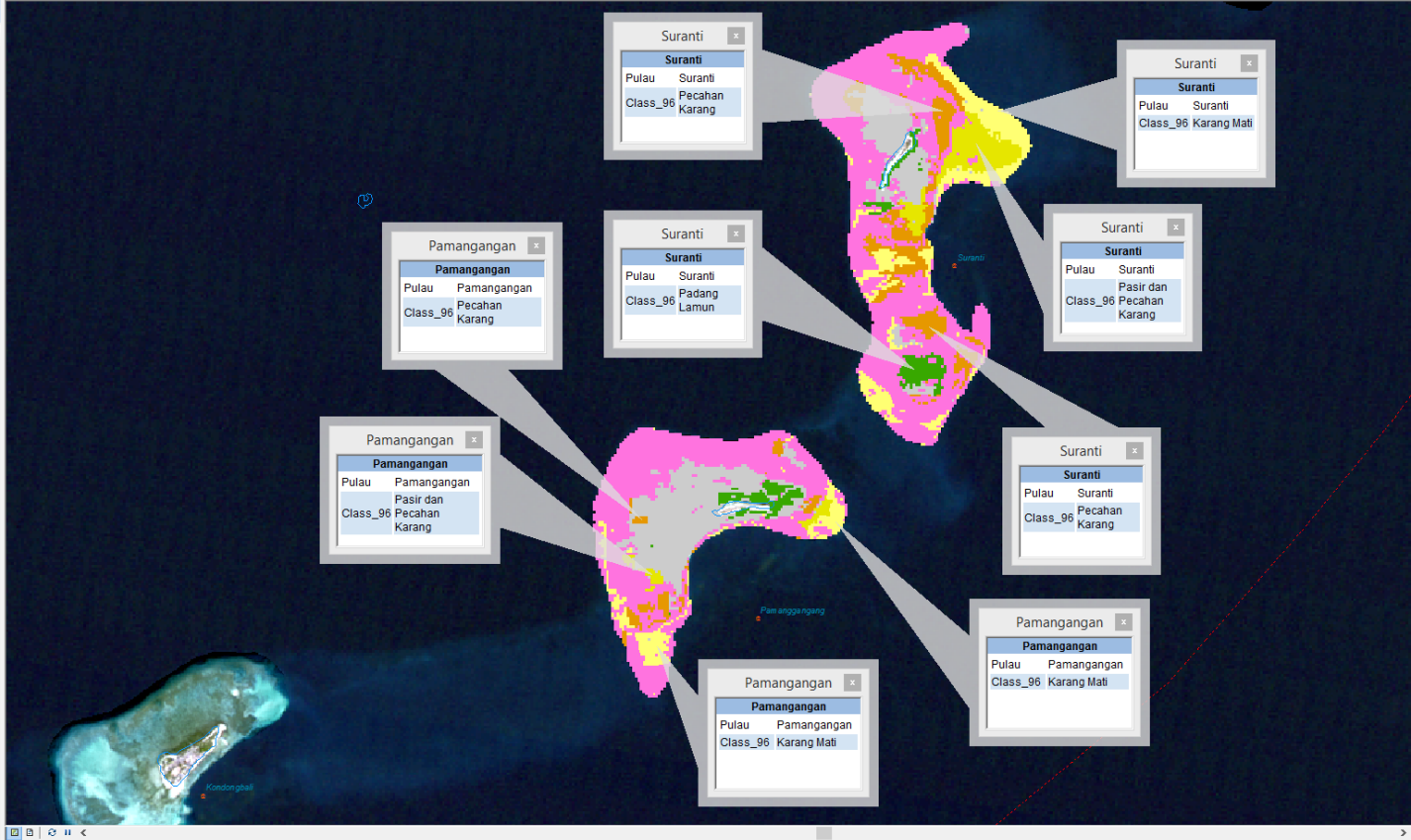
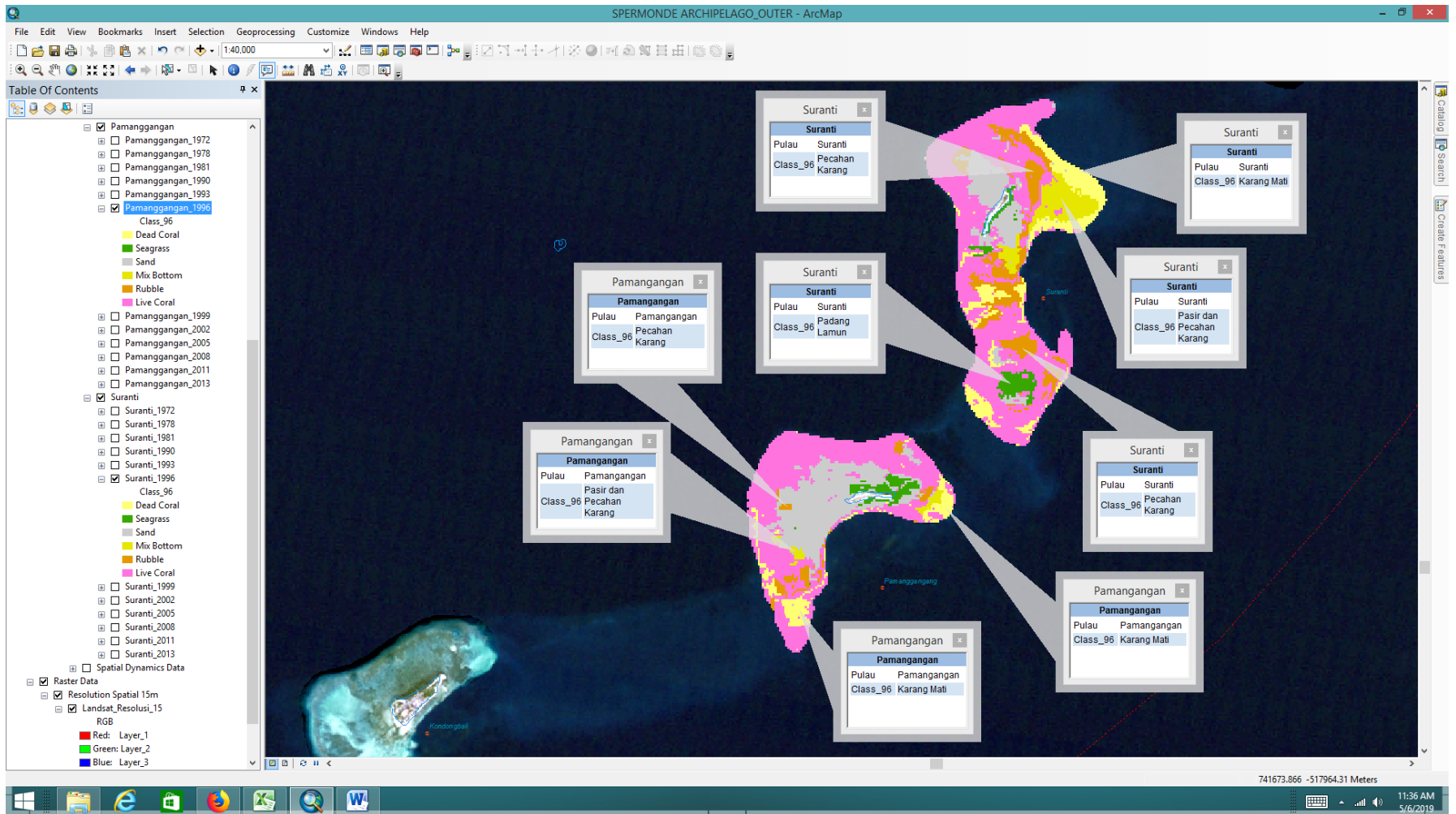




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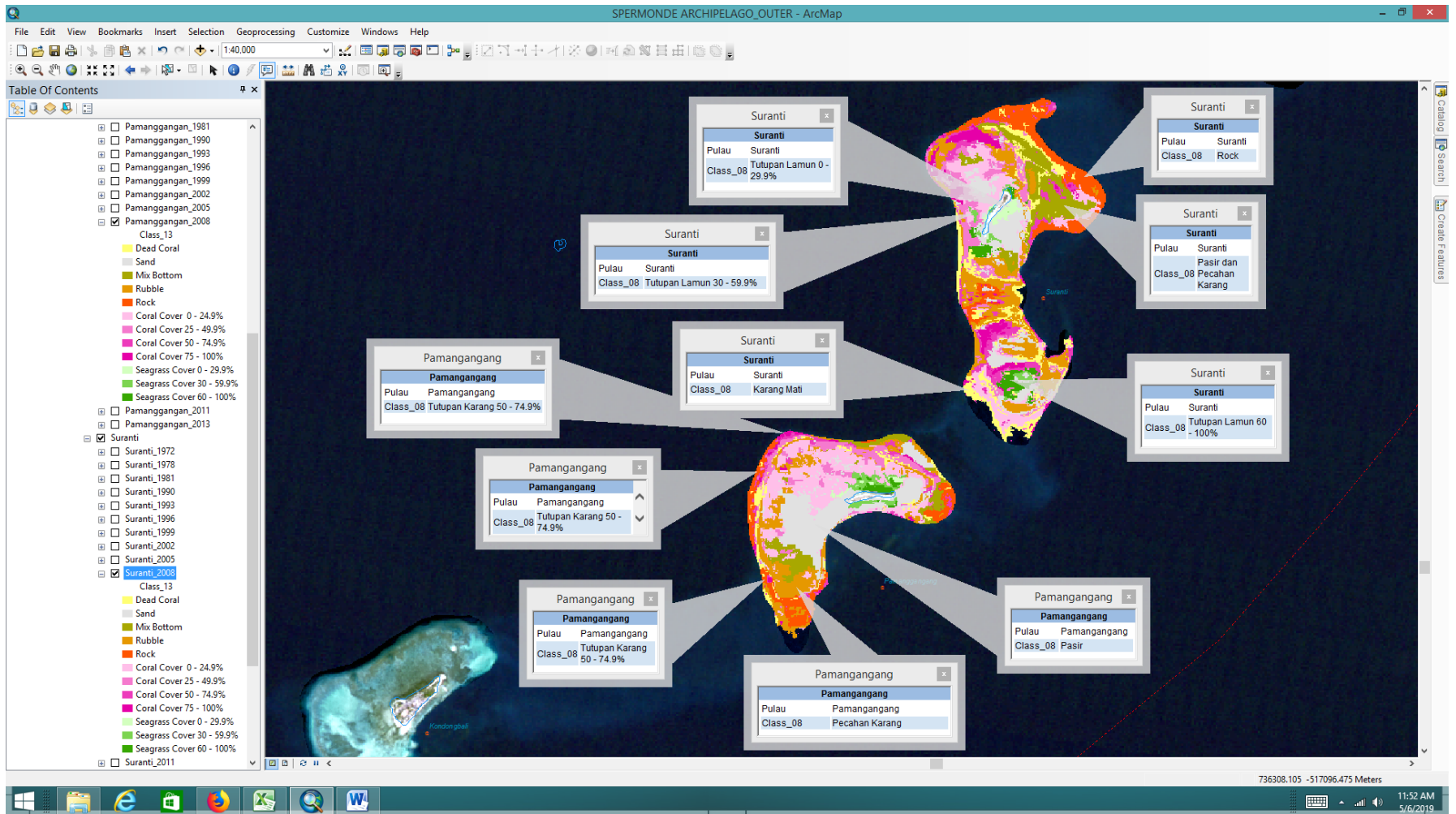
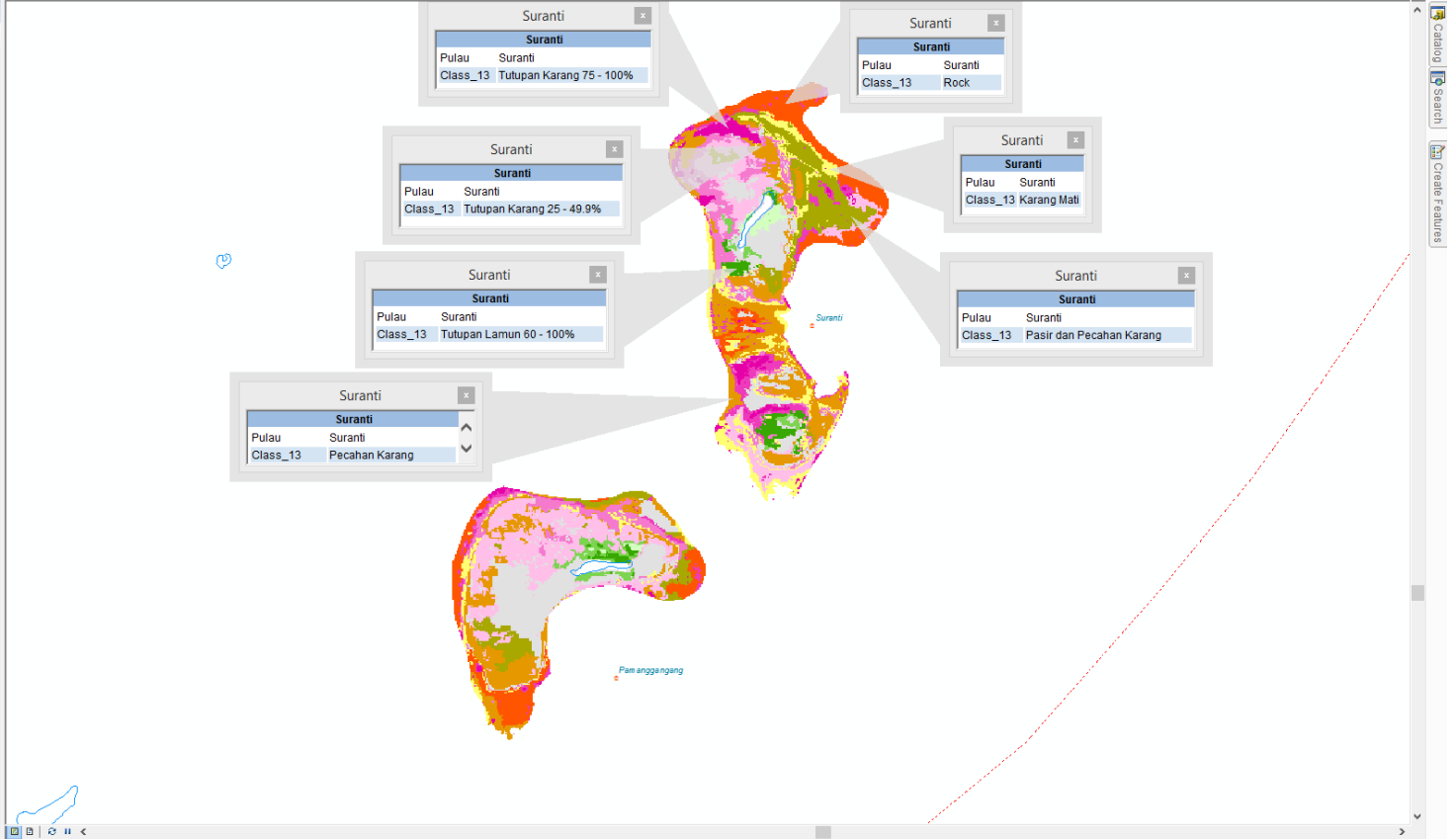




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    - Coral Cover 75 - 100%
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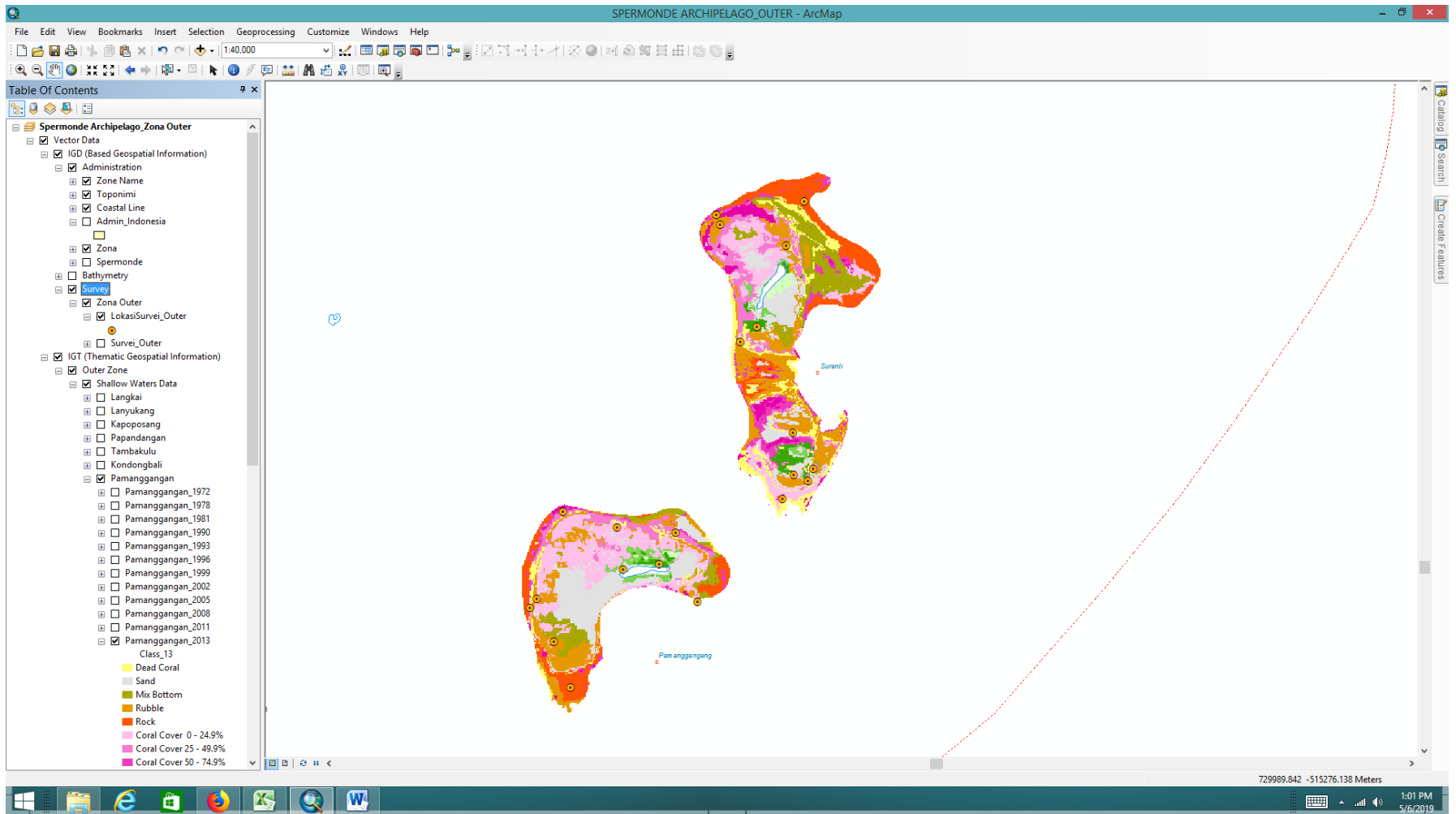
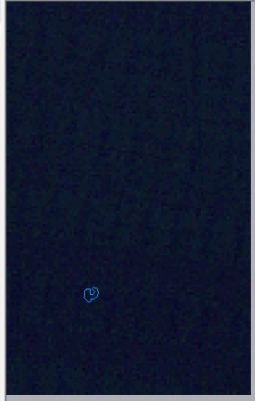




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            - Coral Cover 0 - 24.9%
            - Coral Cover 25 - 49.9%
            - Coral Cover 50 - 74.9%
            - Coral Cover 75 - 100%
            - Seagrass Cover 0 - 29.9%
            - Seagrass Cover 30 - 59.9%
            - Seagrass Cover 60 - 100%
- Suranti
  - Suranti\_1972
  - Suranti\_1978
  - Suranti\_1981
  - Suranti\_1990
  - Suranti\_1993
  - Suranti\_1996



Pamangangan

Pamangangan

GOPR0452 10.jpg

<a href="#">GOPR0452 10.jpg</a>	<a href="#">GOPR0452 11.jpg</a>
<a href="#">GOPR0452 23.jpg</a>	<a href="#">GOPR0452 39.jpg</a>

OBJECTID\_1 38

Pulau	Pamangangan
GPS_ID	SD 13
X	119° 6' 34.507" E
Y	4° 41' 58.159" S
Deskripsi	Kedalaman 1.4 m, Rubble Tertutup resir Putih 60%, Makhrmas



Pamangangan

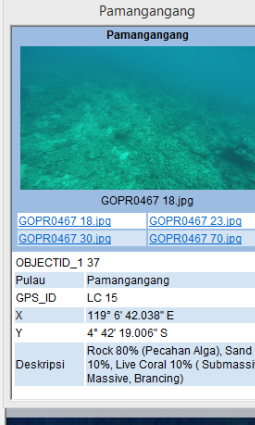
Pamangangan

GOPR0460 12.jpg

<a href="#">GOPR0460 12.jpg</a>	<a href="#">GOPR0460 14.jpg</a>
<a href="#">GOPR0460 16.jpg</a>	<a href="#">GOPR0460 22.jpg</a>
<a href="#">GOPR0460 28.jpg</a>	

OBJECTID\_1 36

Pulau	Pamangangan
GPS_ID	LC 17
X	119° 7' 2.983" E
Y	4° 41' 5.714" S
Deskripsi	Live Coral 40% (Submassive), Rubble Besar 50%, Sand 10%, Kedalaman 1.4 m



Pamangangan

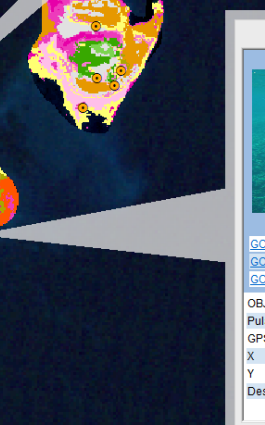
Pamangangan

GOPR0467 18.jpg

<a href="#">GOPR0467 18.jpg</a>	<a href="#">GOPR0467 23.jpg</a>
<a href="#">GOPR0467 30.jpg</a>	<a href="#">GOPR0467 70.jpg</a>

OBJECTID\_1 37

Pulau	Pamangangan
GPS_ID	LC 15
X	119° 6' 42.038" E
Y	4° 42' 19.006" S
Deskripsi	Rock 80% (Pecahan Alga), Sand 10%, Live Coral 10% ( Submassive, Massive, Branching)



Pamangangan

Pamangangan

GOPR0485 18.jpg

<a href="#">GOPR0485 18.jpg</a>	<a href="#">GOPR0485 37.jpg</a>
<a href="#">GOPR0485 31.jpg</a>	<a href="#">GOPR0485 38.jpg</a>
<a href="#">GOPR0485 47.jpg</a>	

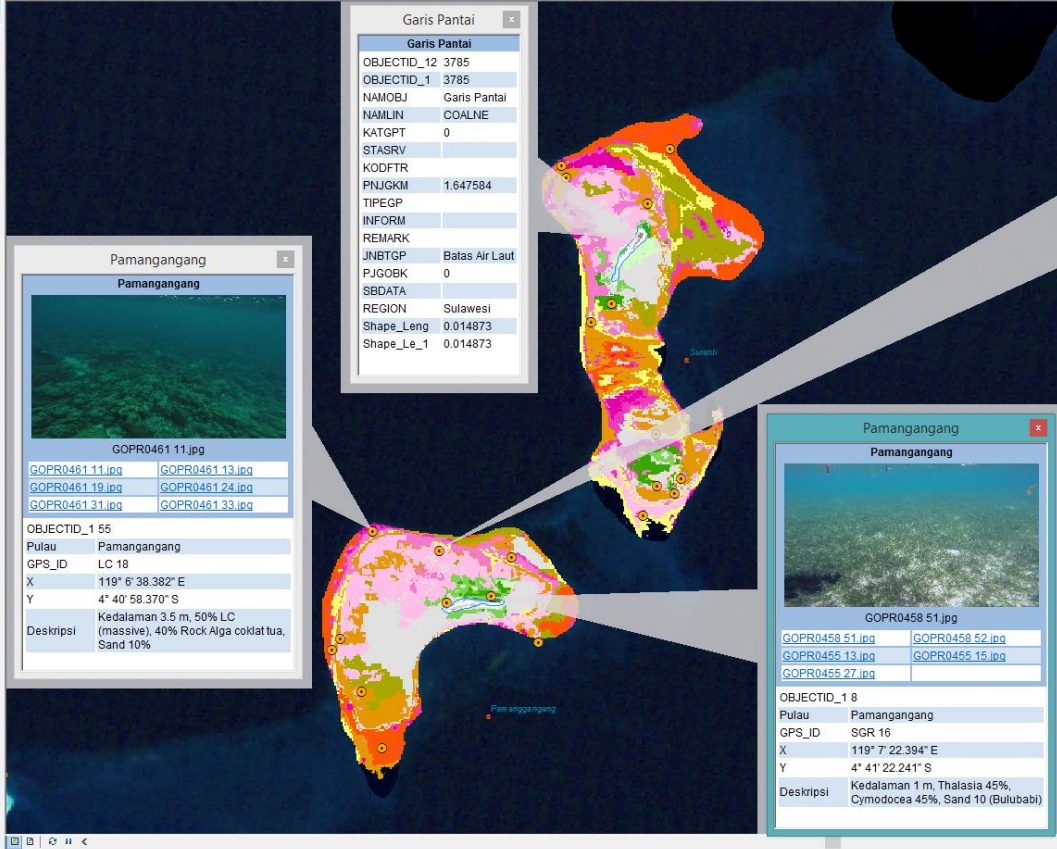
OBJECTID\_1 93

Pulau	Pamangangan
GPS_ID	293
X	119° 7' 39.980" E
Y	4° 41' 39.468" S
Deskripsi	Rock 70%, Rubble 25%, Sand 5%



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          - Coral Cover 75 - 100%
          - Seagrass Cover 0 - 29.9%
          - Seagrass Cover 30 - 59.9%
          - Seagrass Cover 60 - 100%
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  - Suranti\_1981
  - Suranti\_1990
  - Suranti\_1993
  - Suranti\_1996



Garis Pantai

Garis Pantai	
OBJECTID_12	3785
OBJECTID_1	3785
NAMOBJ	Garis Pantai
NAMLIN	COALNE
KATGPT	0
STASRV	
KODFTR	
PNJKM	1.647584
TIPEGP	
INFORM	
REMARK	
JNBTGP	Batas Air Laut
PJCOBK	0
SBDATA	
REGION	Sulawesi
Shape_Leng	0.014873
Shape_Le_1	0.014873

Pamanggang



GOPR0461 11.jpg

<a href="#">GOPR0461 11.jpg</a>	<a href="#">GOPR0461 13.jpg</a>
<a href="#">GOPR0461 19.jpg</a>	<a href="#">GOPR0461 24.jpg</a>
<a href="#">GOPR0461 31.jpg</a>	<a href="#">GOPR0461 33.jpg</a>

OBJECTID\_1 55

Pulau Pamanggang


GPS\_ID LC 18

X 119° 6' 38.382" E

Y 4° 40' 58.370" S

Deskripsi Kedalaman 3.5 m, 50% LC (massive), 40% Rock Alga coklat tua, Sand 10%

Pamanggang



GOPR0460 12.jpg

<a href="#">GOPR0460 12.jpg</a>	<a href="#">GOPR0460 14.jpg</a>
<a href="#">GOPR0460 16.jpg</a>	<a href="#">GOPR0460 22.jpg</a>
<a href="#">GOPR0460 28.jpg</a>	

OBJECTID\_1 36

Pulau Pamanggang


GPS\_ID LC 17

X 119° 7' 2.983" E

Y 4° 41' 5.714" S

Deskripsi Live Coral 40% (Submassive), Putihla Raser KML Sand 10%

Pamanggang



GOPR0458 51.jpg

<a href="#">GOPR0458 51.jpg</a>	<a href="#">GOPR0458 52.jpg</a>
<a href="#">GOPR0455 13.jpg</a>	<a href="#">GOPR0455 15.jpg</a>
<a href="#">GOPR0455 27.jpg</a>	

OBJECTID\_1 8

Pulau Pamanggang

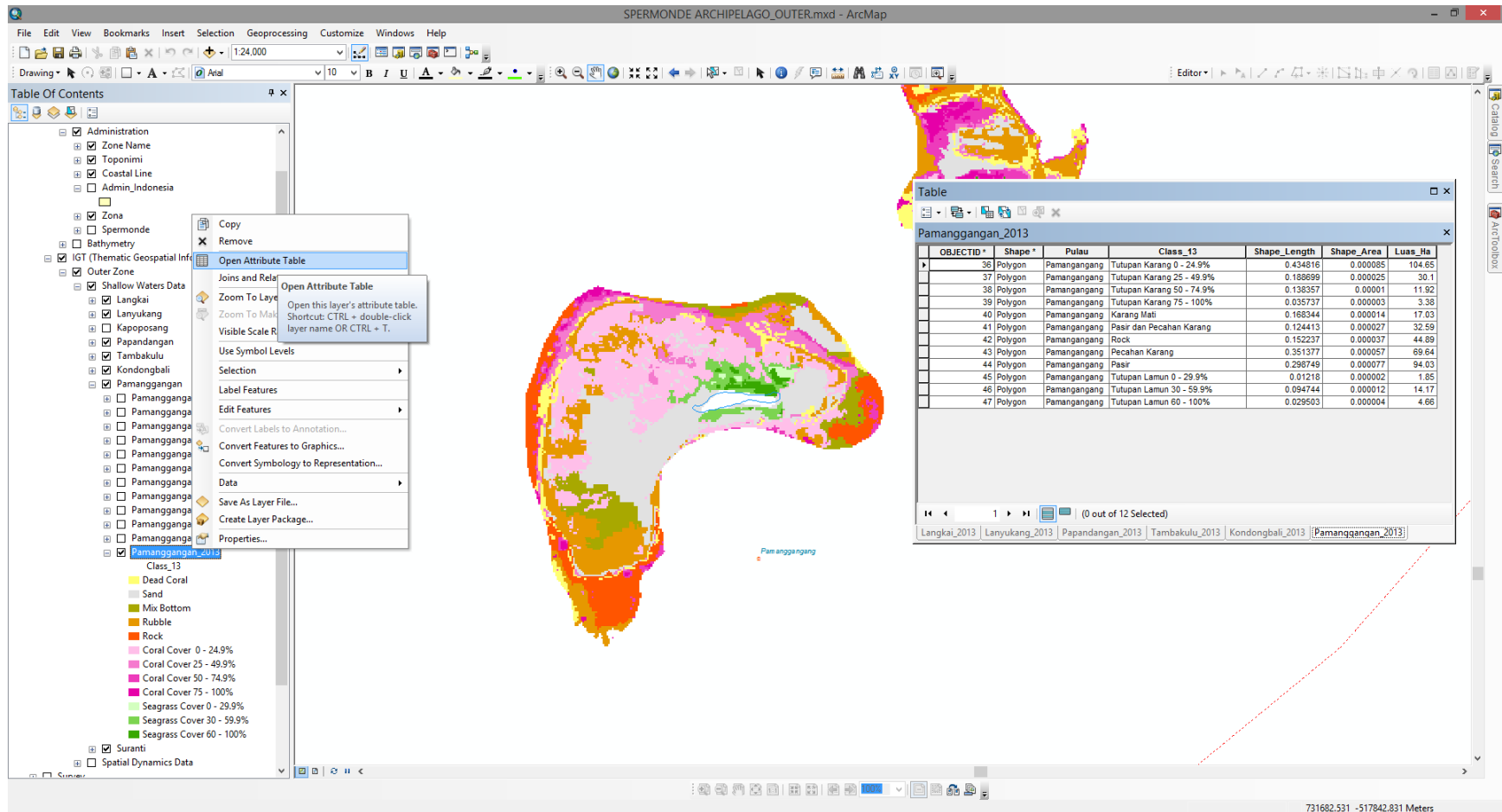
GPS\_ID SGR 16

X 119° 7' 22.394" E

Y 4° 41' 22.241" S

Deskripsi Kedalaman 1 m, Thalasia 45%, Cymodocea 45%, Sand 10 (Bulubabi)

# Luas Perairan Dangkal Pulau Pamanggangan



Table



Pamanggang\_2013

OBJECTID *	Shape *	Pulau	Class_13	Shape_Length	Shape_Area	Luas_Ha
36	Polygon	Pamanggang	Tutupan Karang 0 - 24.9%	0.434816	0.000085	104.65
37	Polygon	Pamanggang	Tutupan Karang 25 - 49.9%	0.188699	0.000025	30.1
38	Polygon	Pamanggang	Tutupan Karang 50 - 74.9%	0.138357	0.00001	11.92
39	Polygon	Pamanggang	Tutupan Karang 75 - 100%	0.035737	0.000003	3.38
40	Polygon	Pamanggang	Karang Mati	0.168344	0.000014	17.03
41	Polygon	Pamanggang	Pasir dan Pecahan Karang	0.124413	0.000027	32.59
42	Polygon	Pamanggang	Rock	0.152237	0.000037	44.89
43	Polygon	Pamanggang	Pecahan Karang	0.351377	0.000057	69.64
44	Polygon	Pamanggang	Pasir	0.298749	0.000077	94.03
45	Polygon	Pamanggang	Tutupan Lamun 0 - 29.9%	0.01218	0.000002	1.85
46	Polygon	Pamanggang	Tutupan Lamun 30 - 59.9%	0.094744	0.000012	14.17
47	Polygon	Pamanggang	Tutupan Lamun 60 - 100%	0.029503	0.000004	4.66

Table



Pamanggang\_2002

OBJECTID *	Shape *	Pulau	Class_02	Shape_Length	Shape_Area	Luas_Ha
36	Polygon	Pamanggang	Tutupan Karang 0 - 24.9%	0.528711	0.000108	132.08
37	Polygon	Pamanggang	Tutupan Karang 25 - 49.9%	0.315509	0.000054	66.17
38	Polygon	Pamanggang	Tutupan Karang 50 - 74.9%	0.209805	0.000029	35.6
39	Polygon	Pamanggang	Tutupan Karang 75 - 100%	0.068778	0.000007	9.19
40	Polygon	Pamanggang	Karang Mati	0.131601	0.000012	14.97
41	Polygon	Pamanggang	Pasir dan Pecahan Karang	0.041964	0.000007	8.03
42	Polygon	Pamanggang	Rock	0.055114	0.00001	11.71
43	Polygon	Pamanggang	Pecahan Karang	0.224951	0.000028	34.2
44	Polygon	Pamanggang	Pasir	0.286597	0.000078	95.56
45	Polygon	Pamanggang	Tutupan Lamun 0 - 29.9%	0.024894	0.000003	3.3
46	Polygon	Pamanggang	Tutupan Lamun 30 - 59.9%	0.066345	0.00001	11.93
47	Polygon	Pamanggang	Tutupan Lamun 60 - 100%	0.025983	0.000005	6.16

## Table



## Pamangangan\_1990

OBJECTID *	Shape *	Pulau	Class_90	Shape_Length	Shape_Area	Luas_Ha
23	Polygon	Pamangangan	Terumbu Karang	0.337753	0.000202	248.48
24	Polygon	Pamangangan	Karang Mati	0.091679	0.000021	26.01
25	Polygon	Pamangangan	Pasir dan Pecahan Karang	0.021773	0.000005	6.33
26	Polygon	Pamangangan	Pecahan Karang	0.060602	0.00001	12.43
27	Polygon	Pamangangan	Pasir	0.183437	0.000103	126.42
28	Polygon	Pamangangan	Padang Lamun	0.060079	0.000015	18.9

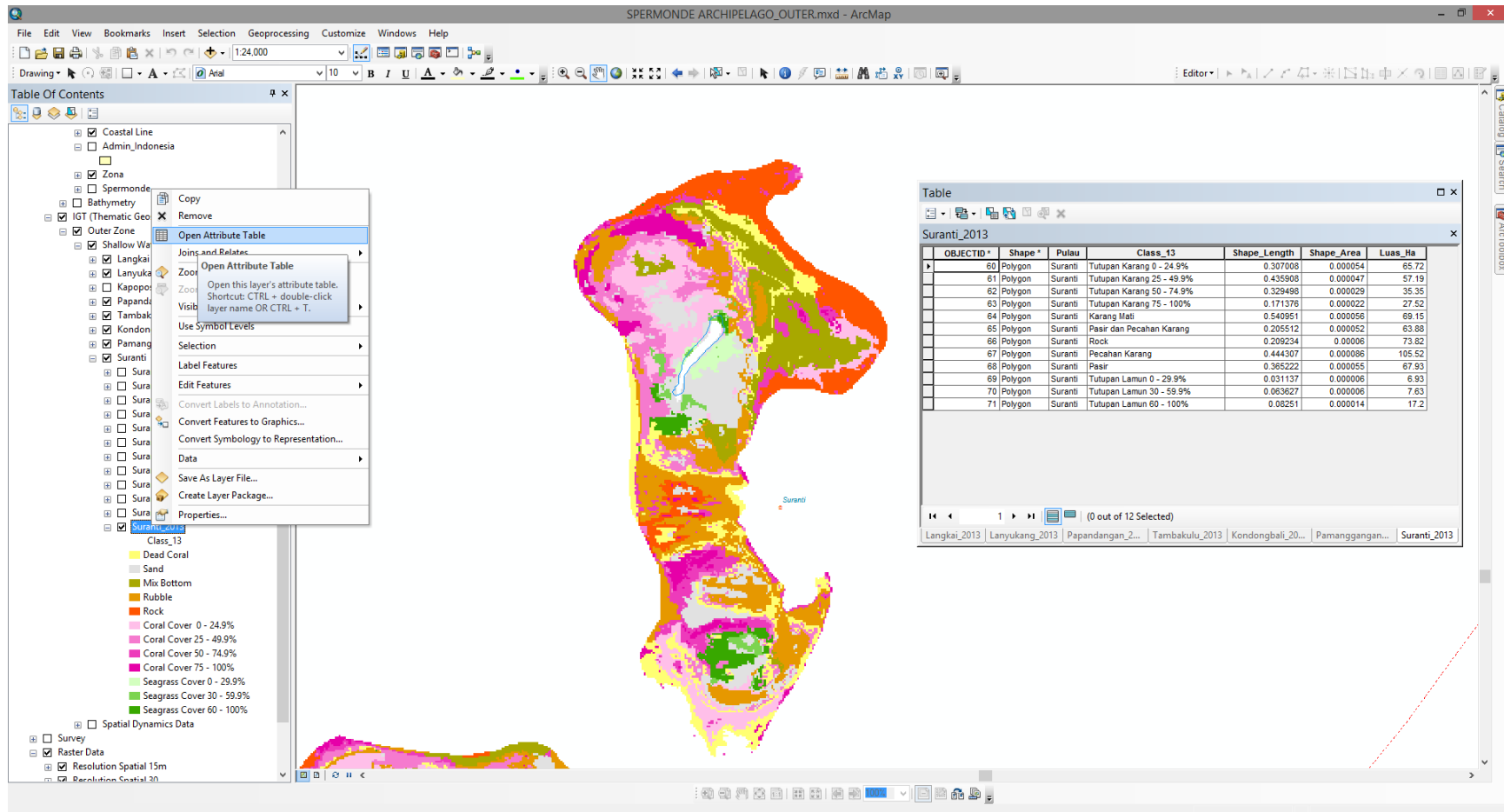
## Table



## Pamanggangan\_1972

OBJECTID *	Shape *	Pulau	Class_72	Shape_Length	Shape_Area	Luas_Ha
16	Polygon	Pamangangang	Terumbu Karang	0.200652	0.000258	316.96
17	Polygon	Pamangangang	Karang Mati	0.009867	0.000002	2.58
18	Polygon	Pamangangang	Deep Water	0.004386	0.000001	0.74
19	Polygon	Pamangangang	Pecahan Karang	0.003291	0.000001	0.74
20	Polygon	Pamangangang	Pasir	0.095493	0.000081	98.86
21	Polygon	Pamangangang	Padang Lamun	0.044933	0.00001	12.55

# Luas Perairan Dangkal Pulau Suranti



## Table



## Suranti\_2013

OBJECTID *	Shape *	Pulau	Class_13	Shape_Length	Shape_Area	Luas_Ha
60	Polygon	Suranti	Tutupan Karang 0 - 24.9%	0.307008	0.000054	65.72
61	Polygon	Suranti	Tutupan Karang 25 - 49.9%	0.435908	0.000047	57.19
62	Polygon	Suranti	Tutupan Karang 50 - 74.9%	0.329498	0.000029	35.35
63	Polygon	Suranti	Tutupan Karang 75 - 100%	0.171376	0.000022	27.52
64	Polygon	Suranti	Karang Mati	0.540951	0.000056	69.15
65	Polygon	Suranti	Pasir dan Pecahan Karang	0.205512	0.000052	63.88
66	Polygon	Suranti	Rock	0.209234	0.00006	73.82
67	Polygon	Suranti	Pecahan Karang	0.444307	0.000086	105.52
68	Polygon	Suranti	Pasir	0.365222	0.000055	67.93
69	Polygon	Suranti	Tutupan Lamun 0 - 29.9%	0.031137	0.000006	6.93
70	Polygon	Suranti	Tutupan Lamun 30 - 59.9%	0.063627	0.000006	7.63
71	Polygon	Suranti	Tutupan Lamun 60 - 100%	0.08251	0.000014	17.2

## Table



## Suranti\_2002

OBJECTID *	Shape *	Pulau	Class_02	Shape_Length	Shape_Area	Luas_Ha
58	Polygon	Suranti	Tutupan Karang 0 - 24.9%	0.594924	0.000104	127.58
59	Polygon	Suranti	Tutupan Karang 25 - 49.9%	0.509811	0.000071	87.71
60	Polygon	Suranti	Tutupan Karang 50 - 74.9%	0.316282	0.00003	36.69
61	Polygon	Suranti	Tutupan Karang 75 - 100%	0.212485	0.000033	41.08
62	Polygon	Suranti	Karang Mati	0.385921	0.000042	50.96
63	Polygon	Suranti	Pasir dan Pecahan Karang	0.129125	0.000036	43.77
64	Polygon	Suranti	Rock	0.154275	0.000033	40.92
65	Polygon	Suranti	Pecahan Karang	0.319533	0.000058	70.79
66	Polygon	Suranti	Pasir	0.337119	0.00005	61.14
67	Polygon	Suranti	Tutupan Lamun 0 - 29.9%	0.033065	0.000006	6.92
68	Polygon	Suranti	Tutupan Lamun 30 - 59.9%	0.065257	0.000008	10.13
69	Polygon	Suranti	Tutupan Lamun 60 - 100%	0.091447	0.000016	20.15

## Table



## Suranti\_1990

OBJECTID *	Shape *	Pulau	Class_90	Shape_Length	Shape_Area	Luas_Ha
34	Polygon	Suranti	Terumbu Karang	0.553294	0.000328	402.14
35	Polygon	Suranti	Karang Mati	0.183184	0.000043	52.95
36	Polygon	Suranti	Pasir dan Pecahan Karang	0.044415	0.000018	21.78
37	Polygon	Suranti	Pecahan Karang	0.173678	0.000044	54.56
38	Polygon	Suranti	Pasir	0.161969	0.000054	66.77
39	Polygon	Suranti	Padang Lamun	0.075968	0.000019	23.78

## Table



## Suranti\_1972

OBJECTID *	Shape *	Pulau	Class_72	Shape_Length	Shape_Area	Luas_Ha
27	Polygon	Suranti	Terumbu Karang	0.292803	0.00043	527.66
28	Polygon	Suranti	Karang Mati	0.036185	0.000007	8.49
29	Polygon	Suranti	Deep Water	0.002193	0	0.37
30	Polygon	Suranti	Pecahan Karang	0.023024	0.000005	5.53
31	Polygon	Suranti	Pasir	0.078949	0.000044	53.87
32	Polygon	Suranti	Padang Lamun	0.061399	0.000019	22.88