CMECS SC Cleanup 01/06/2017

1. Start Feature Class: Chesapeake\_Bay\_CMECS\_V4\_Substrate\_Component\_08032016
2. Rename :

Output Feature Class: CBay\_CMECS\_V4\_SC\_12192016

1. Remove duplicate records in CMECS SC table

Output Feature Class: CBay\_CMECS\_V4\_SC\_12192016\_Clean

1. Remove PRFC

Output Feature Class: CBay\_CMECS\_V4\_SC\_12192016\_Clean\_Erase

1. Merge PRFC

Output Feature Class: CBay\_CMECS\_V4\_SC\_12192016\_Clean\_Erase\_merge

1. Eliminate Polygons < 500 m2

Output Feature Class: CBay\_CMECS\_V4\_SC\_12192016\_Clean\_Erase\_merge\_elim

1. QA/QC and cleanup table

Output Feature Class: CBay\_CMECS\_V4\_SC\_12192016\_QAQC\_Table

1. Correct errors in HC, LC, TA Blueprint interpretation (delete planned but unrestored site polygons)

Output Feature Class: HC\_LC\_TA\_CMECS\_Sanct\_2015\_Final

1. Identify and Correct errors where Substrate\_Modifier = “Restored”

Output Feature Class: CB\_CMECS\_V4\_SC\_12232016\_ID

1. Merge Baywide (#9) and MD Sanctuary Blueprint (#8)

Output Feature Class: CB\_CMECS\_V4\_SC\_12282016

1. QA/QC CMECS Codes

Output Feature Class: CB\_CMECS\_V4\_SC\_12292016

1. Clip small tribs with incomplete coverage. Remove widow polygons > 500m2 at small tribs. Use Andy polygons.

Output Feature Class: CB\_CMECS\_V4\_SC\_12292016\_ClipTribs

1. Eliminate /remove polygons < 500m2

Output Feature Class: CB\_CMECS\_V4\_SC\_12302016

1. R Output Feature Class: epair errors in Biogenic Oyster Reef/Rubble classification

Output Feature Class: CB\_CMECS\_V4\_SC\_12302016\_B

1. Repair errors in Lynnhaven and Marshyope classification that resulted from removal of duplicate polygons

Output Feature Class: CB\_CMECS\_V4\_SC\_01052017

1. Fix topology

Output Feature Class: CB\_CMECS\_V4\_SC\_01052017\_CLEAN\_ELIM\_GAP

1. Redo QA/QC table and codes

Output Feature Class CB\_CMECS\_V4\_SC\_01062017\_B

1. **Final Version:** Chesapeake\_Bay\_CMECS\_V4\_Substrate\_Component\_01062017
2. **Done to here**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Step | layer | geoprocess | Number records (polygons) | Sum polygon Area  acres | Footprint Area acres  (all polygons merged) |
| 1 | CMECS\_V4\_SC\_12192016 | start | 106925 | 5,565,376.9 | 2843579.83 |
| 3 | CMECS\_V4\_SC\_12192016\_clean | Clean-remove duplicate polygons | 56144 | 2,843,574.9 |  |
| 5 | \_12192016\_Clean\_Erase\_merge | Merge PRFC | 56028 | 2,835,213.1 |  |
|  | \_12192016\_Clean\_Erase\_merge\_explode | Explode multipart | 56135 | 2843575.2 |  |
| 6 | \_12192016\_Clean\_Erase\_merge\_elim | Eliminate polygons < 500 m2 (merge with adjacent-longest border) | 43,484 | 2,842,865.7 |  |
| 10 | CB\_CMECS\_V4\_SC\_12282016 | Merge corrected MD oyster restoration blueprint polygons | 43,345 | 2,843,010.2 |  |
| 12 | CB\_CMECS\_V4\_SC\_12292016\_ClipTribs | Remove small tribs with incomplete coverage | 22636 | 2,824,970.3 |  |
| 13 | CB\_CMECS\_V4\_SC\_12302016 | Eliminate sliver polygons < 500 m2 (merge with adjacent-longest border) | 22439 | 28,249,68.7 |  |
|  | CB\_CMECS\_V4\_SC\_12302016\_C | Corrected Biogenic Reef/Rubble Errors | 22498 | 2,824,968.6 |  |
|  | CB\_CMECS\_V4\_SC\_12302016\_C\_ERASE\_MERGE | Corrected Lynnhaven Marshyhope errors | 22774 | 2825667.0 |  |
|  | CB\_CMECS\_V4\_SC\_01052017\_CLEAN\_ELIM\_GAP | Final clean-up of topology: remove duplicates, overlaps, gaps | 22709 | 2921690.9 |  |
|  | CB\_CMECS\_V4\_SC\_01062017\_B | Redo QA/QC of table and codes | 22709 | 2,921,690.9 |  |
| 14 | Chesapeake\_Bay\_CMECS\_V4\_Substrate\_Component\_01062017 | FINAL | 22439 | 28,249,68.7 | 28,249,68.7 |