

Figure 1. Study area, Bali Strait, located between Bali Island and Java Island.





Figure 2. Spatial distribution of fishing location for *Sardinella lemuru* from VBD (red dot) and in situ (black dot) data during southeast monsoon (April – September) in the Bali Strait.







Figure 3. Distribution of fishing location for *Sardinella lemuru* from VBD (red dot) overlaid on the monthly mean value of sea-surface chlorophyll-*a* during southeast monsoon (April –September) 2013.







Figure 4. Distribution of fishing location for *Sardinella lemuru* from VBD (red dot) overlay on the monthly mean value of sea-surface temperature during southeast monsoon (April –September) 2013.



Graph 1. Frequency of sea surface chlorophyll-*a* (chl-*a*) during southeast monsoon (April – September) 2013.



Graph 2. Frequency of sea surface temperature (SST) during southeast monsoon (April – September) 2013.



Graph 3. Sea surface temperature (solid line) and chl-*a* (the line with dashes and 1 dot) variation in Bali Strait during southeast monsoon (April – September) 2013.

Table 1. Number of fishing boats from Visible Infrared Imaging Radiometer Suite boat detection during southeast monsoon 2013 and in situ data.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | APR | MAY | JUN | JUL | AUG | SEP |
| VIIRS | 158 | 189 | 74 | 87 | 68 | 168 |
| In situ | 22 | 12 | 14 | - | - | 18 |