

Florida Department of Environmental Protection



Seagrass Evaluation – Step 2 Data

December 10, 2013





Seagrass Evaluation

- Evaluation of seagrass depths for compliance with targets is a two step process using the last four mapping years of data:
 - 2006, 2007, 2009, and 2011 (assessment years)
- Step 1 - Cumulative frequency distribution analysis:
 - Compliance when at least 50% or more of the assessment years' frequency distribution curve (including its 50th percentile value) lies on or to the right of the TMDL depth limit target curve
- Step 2 - Median seagrass depth comparison:
 - Three of the four assessment years' medians must meet or exceed the median TMDL to be 2 compliant.
- If a project zone is both Step 1 and Step 2 compliant, it is considered to be meeting the TMDL seagrass depth limit target. If the basin fails to meet either Step 1 or Step 2, it is not considered to be meeting the TMDL seagrass depth limit target for that set of assessment years.



Step 1 Assessment

- The Step 1 assessment is still in progress.
- The results from the Step 2 evaluation will be reviewed.



Step 2 Assessment - BRL

Year	BRL A Median Depth (meters)	BRL B Median Depth (meters)
TMDL Median	1.58	1.41
2006	1.75*	1.29
2007	1.81*	1.32
2009	1.78*	1.32
2011	0.71	0.62
Step 2 Compliant?	Yes	No

* Meets or exceeds the TMDL median



Step 2 Assessment – North IRL

Year	North A Median Depth (meters)	North B Median Depth (meters)
TMDL Median	1.44	1.51
2006	1.20	1.45
2007	1.23	1.39
2009	1.17	1.39
2011	1.05	0.93
Step 2 Compliant?	No	No

* Meets or exceeds the TMDL median



Step 2 Assessment – Central IRL

Year	Central A Median Depth (meters)	Central SEB Median Depth (meters)	Central B Median Depth (meters)
TMDL Median	1.27	1.20	1.15
2006	1.29*	1.24*	1.21*
2007	1.39*	1.27*	1.27*
2009	1.32*	1.27*	1.24*
2011	0.96	0.89	0.97
Step 2 Compliant?	Yes	Yes	Yes

* Meets or exceeds the TMDL median