

## Addendum

### The State of South Carolina's Draft 2018 Integrated Report (IR) Part I: Listing of Impaired Waters

The South Carolina Department of Health and Environmental Control (The Department or SCDHEC) has made adjustments the draft 2018 303(d) list of impaired waterbodies requiring TMDLs pursuant to Section 303(d) of the Federal Clean Water Act. An initial draft of the list and associated appendices were made available for public comment from November 5, 2018 – December 5, 2018. The list includes waterbodies not meeting the State's water quality standards after application of existing required controls for point and nonpoint sources of pollution. A copy of the initial draft document can be found at the following link: [https://www.scdhec.gov/sites/default/files/media/document/PN\\_IR\\_Part\\_I\\_2018.pdf](https://www.scdhec.gov/sites/default/files/media/document/PN_IR_Part_I_2018.pdf)

Since the initial notice of availability was issued in November 2018, SCDHEC has determined that some of the 303(d) impaired waters and waters of concern (WOC) due to lead (Pb) have changed. In addition, there have been some other sites included on the draft 303(d) list and the WOC due to cadmium (Cd). These changes are the result of an assessment of data using updated calculations for instream metals criteria.

Further, the Department has been preparing responses to all comments already received from the public. At this time, we are providing a technical document in response to a request received regarding Pb impairments and Pb WOC. Note that the technical document is part of the full responsiveness summary which will be provided to all commenters following the public notice for this addendum. **The technical document is provided for information only and comments regarding the technical document are not being requested at this time.** A copy of the technical document can be found at the following link: [https://www.scdhec.gov/sites/default/files/media/document/final\\_Pb\\_report\\_w\\_annexes\\_jan\\_2020.pdf](https://www.scdhec.gov/sites/default/files/media/document/final_Pb_report_w_annexes_jan_2020.pdf)

Added to the draft 2018 303(d) list as impaired due to Pb:

BASIN	HUC_12	COUNTY	DESCRIPTION	STATION	USE	CAUSE
BROAD	030501051402	SPARTANBURG	LAWSONS FORK CK AT S-42-108	BL-001	AL	PB

Removed from the draft 2018 303(d) list due to listing error:

BASIN	HUC_12	COUNTY	DESCRIPTION	STATION	USE	CAUSE
PEEDEE	030402010602	CHESTERFIELD	CATTAIL BRANCH AT S-13-54 EVANS MILL ROAD	RS-16312	AL	PB

By adding a location and removing a location, the draft 2018 303(d) list continues to include a total number of 3 aquatic life impairments due to Pb. Sites S-290 and C-017 have been assigned a Priority Rank of "2". Site BL-001 has been assigned a Priority Rank of "3" based on subsequent supporting data.

Added to Appendix B Waters of Concern (Not Impaired):

BASIN	HUC_12	COUNTY	DESCRIPTION	STAT	USE	CAUSE
BROAD	030501080206	NEWBERRY	ENOREE RVR AT SC 72; 121; AND US 176; 1 MI NE WHITMIRE	B-053	AL	PB
BROAD	030501050805	CHEROKEE	BUFFALO CK AT SC 5 1 MI W OF BLACKSBURG	B-057	AL	PB
SALUDA	030501090402	GREENVILLE	REEDY RVR AT RIVERS ST; DOWNTOWN GREENVILLE	S-319	AL	PB

By adding these locations, the total number of waters of concern due to water column Pb is 169.

Added to the draft 2018 303(d) list as impaired due to Cd:

BASIN	HUC_12	COUNTY	DESCRIPTION	STATION	USE	CAUSE
BROAD	030501051301	SPARTANBURG	S PACOLET RVR AT S-42-866 1 MI SE CAMPOBELLO	B-302	AL	CD
BROAD	030501051302	SPARTANBURG	LAKE BOWEN 0.3 MI W OF SC 9	B-339	AL	CD
SALUDA	030501090102	GREENVILLE	N SALUDA RVR AT BRDG AB JCT WITH SALUDA RVR E OF SC 186	S-004	AL	CD
SALUDA	030501090604	LAURENS	REEDY RVR AT S-30-06 E WARE SHOALS	S-021	AL	CD
SALUDA	030501090204	GREENVILLE	SOUTH SALUDA RVR AT SC 186	S-299	AL	CD
SALUDA	030501090402	GREENVILLE	REEDY RVR AT RIVERS ST, DOWNTOWN GREENVILLE	S-319	AL	CD
SAVANNAH	030601030508	ABBEVILLE	MCKENLEY CREEK AT SC 72	RS-16306	AL	CD
SAVANNAH	030601010502	OCONEE	CONEROSS CK AT SC 59	SV-004	AL	CD
SAVANNAH	030601010702	ANDERSON	THREE AND TWENTY CREEK AT S-04-280	SV-111	AL	CD
SAVANNAH	030601010602	ANDERSON	EIGHTEENMILE CK AT 2-04-279	SV-233	AL	CD
SAVANNAH	030601020304	OCONEE	CHAUGA RIVER AT S-37-34	SV-344	AL	CD

By adding 11 locations, the draft 2018 303(d) list now includes a total number of 11 aquatic life impairments due to Cd. Each location has been assigned a Priority Rank of “3”.

Added to Appendix B Waters of Concern (Not Impaired):

BASIN	HUC_12	COUNTY	DESCRIPTION	STAT	USE	CAUSE
BROAD	30501070301	GREENVILLE	MUSH CK AT SC 253 BL TIGERVILLE	B-317	AL	CD
BROAD	30501060708	RICHLAND	FOOTBRIDGE OVER UPSTREAM GATES OF DRINKING WATER CANAL AT BROAD RIVER	B-834	AL	CD

By adding these locations, the total number of waters of concern due to water column Cd is 2.

These locations have been removed from the draft 2018 303(d) list due to impaired instream macroinvertebrate community (BIO) since Cd or Pb is being added as the identified pollutant at the same location. These BIO impairments have been delisted from an earlier listing cycle; therefore, the locations have also been added to Appendix C for the current listing cycle:

BASIN	HUC_12	COUNTY	DESCRIPTION	STATION	USE	CAUSE
BROAD	30501051402	SPARTANBURG	LAWSONS FORK CK AT S-42-108	BL-001	AL	BIO
SALUDA	30501090102	GREENVILLE	N SALUDA RVR AT BRDG AB JCT WITH SALUDA RVR E OF SC 186	S-004	AL	BIO
SALUDA	30501090402	GREENVILLE	REEDY RVR AT RIVERS ST, DOWNTOWN GREENVILLE	S-319	AL	BIO

By removing these locations as impaired due to BIO, the draft 2018 303(d) list now includes a total number of 170 aquatic life impairments due to BIO.

Table 1 of the assessment methodology has been updated to include new summary numbers for BIO and metals:

Category	Total Impairments	Lakes	Streams	Estuaries	Shellfish Waters	Beaches
Bacteria	362	5	167	60	116	14
Nutrients, pH, DO	197	197				
Fish Tissue Hg and PCBs	190	190				
Macroinvertebrates	170		170			
Dissolved Oxygen	142		108	34		
Turbidity	92	13	16	63		
Metals	47	5	33	9		
pH	45		40	5		
Ammonia Toxicity	5	1	3	1		

Added to Appendix E 2016-2022 Restoration Priorities as Priority Rank of "2":

PRIORITY RANK	BASIN	HUC_12	COUNTY	DESCRIPTION	STATION	USE	CAUSE
2	SALUDA	030501100203	RICHLAND	GILLS CK AT SC 48 - BLUFF ROAD	C-017	AL	PB
2	SALUDA	030501091305	NEWBERRY	CAMPING CK S-36-202 BLW GA PACIFIC	S-290	AL	PB