

*** DRAFT - NOT YET FILED ***

3745-1-31 **Lake Erie standards.**

(A) Lake Erie is designated exceptional warmwater habitat, superior high quality water, public water supply, agricultural water supply, industrial water supply and bathing waters, and will meet the criteria set forth in, or derived in accordance with, rules 3745-1-01 to 3745-1-07 of the Administrative Code, rule 3745-1-33 of the Administrative Code, and rules 3745-1-36 to 3745-1-39 of the Administrative Code. However, criteria set forth in this rule supersede the above rules where applicable. These criteria apply outside the mixing zone.

(B) Temperature.

- (1) There shall be no water temperature changes as a result of human activity that cause mortality, long-term avoidance or exclusion from habitat, or adversely affect the reproductive success of representative aquatic species.
- (2) At no time shall water temperature exceed the average or daily maximum temperatures indicated in paragraphs (A) and (B) of table 31-1 of this rule.
- (3) The temperature of the hypolimnetic waters of lake Erie shall not exceed at any time the daily maximum temperatures indicated in paragraph (C) of table 31-1 of this rule.

Table 31-1. Temperature criteria.

(A) Lake Erie western basin - includes the area of lake Erie west of a line drawn from Pelee point, Canada to Scott point on Catawba island. Shown as degrees fahrenheit and (celsius).

	Jan. 1-31	Feb. 1-29	Mar. 1-15	Mar. 16-31	Apr. 1-15	Apr. 16-30	May 1-15	May 16-31	June 1-15
Average:	-	-	-	-	-	53 (11.7)	59 (15.0)	65 (18.3)	75 (23.9)
Daily Maximum:	35 (1.7)	38 (3.3)	39 (3.9)	45 (7.2)	51 (10.6)	56 (13.3)	64 (17.8)	72 (22.2)	78 (25.6)
	June 16-30	July 1-31	Aug. 1-31	Sept. 1-15	Sept. 16-30	Oct. 1-15	Oct. 16-31	Nov. 1-30	Dec. 1-31
Average:	80	83	83	78	76	66	60	53	-

	(26.7)	(28.3)	(28.3)	(25.6)	(24.4)	(18.9)	(15.6)	(11.7)	
Daily Maximum:	83 (28.3)	85 (29.4)	85 (29.4)	83 (28.3)	81 (27.2)	71 (21.7)	65 (18.3)	58 (14.4)	46 (7.8)

(B) Lake Erie central basin - includes the area of lake Erie east of a line drawn from Pelee point, Canada to Scott point on Catawba island to the Pennsylvania-Ohio state line. Shown as degrees fahrenheit and (celsius).

	Jan. 1-31	Feb. 1-29	Mar. 1-15	Mar. 16-31	Apr. 1-15	Apr. 16-30	May 1-15	May 16-31	June 1-15
Average:	-	-	-	-	43 (6.1)	53 (11.7)	59 (15.0)	63 (17.2)	75 (23.9)
Daily Maximum:	35 (1.7)	38 (3.3)	39 (3.9)	45 (7.2)	48 (8.9)	56 (13.3)	63 (17.2)	72 (22.2)	78 (25.6)
	June 16-30	July 1-31	Aug. 1-31	Sept. 1-15	Sept. 16-30	Oct. 1-15	Oct. 16-31	Nov. 1-30	Dec. 1-31
Average:	80 (26.7)	83 (28.3)	83 (28.3)	76 (24.4)	71 (21.7)	66 (18.9)	58 (14.4)	48 (8.9)	-
Daily Maximum:	83 (28.3)	85 (29.4)	85 (29.4)	81 (27.2)	76 (24.4)	71 (21.7)	63 (17.2)	53 (11.7)	46 (7.8)

(C) Seasonal daily maximum temperature limitations for the hypolimnetic regions of lake Erie. Shown as degrees fahrenheit and (celsius).

Month	Daily Maximum
January	44 (6.7)
February	44 (6.7)
March	44 (6.7)
April	47 (8.3)
May	51 (10.6)
June	54 (12.2)

July	59 (15.0)
August	59 (15.0)
September	55 (12.8)
October	46 (7.8)
November	41 (5.0)
December	38 (3.3)

Five Year Review (FYR) Dates:

Certification

Date

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