

ICS 65.150
CCS B 52



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 21045-2007

Largemouth bass

大口黑鲈

(English Translation)

Issued on: June 26, 2007

Implemented on: October 1, 2007

Issued by: Standardization Administration of China

Table of Contents

Foreword	
1 Scope	
2 Normative references	
3 Name and Category	
3.1 Name	
3.2 Alias	
3.3 Classification Location	
4 Main morphological structure characteristics	
4.1 External morphology	
4.2 Internal structural features	
5 Growth and reproduction	
5.1 Growth	
5.2 Reproduction	
6 Genetic characteristics	

Foreword

Chapter 4 of this standard are mandatory, the rest are recommended.

The standard proposed by the People's Republic of China Ministry of Agriculture.

This standard by the National Standardization Technical Committee on Fisheries freshwater aquaculture subcommittee.

This standard was drafted. Chinese Academy of Fishery Sciences Pearl River Fisheries Research Institute.

1 Scope

Genetic characteristics and detection methods.

This standard applies to largemouth bass germplasm detection and identification.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to

the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 18654.1 Inspection of germplasm for cultured fishes - Part 1. Inspection Rules GB/T 18654.2 Inspection of germplasm for cultured fishes - Part 2. Sampling Method GB/T 18654.3 Inspection of germplasm for cultured fishes - Part 3. Determination of Characters GB/T 18654.12 Inspection of germplasm for cultured fishes - Part 12. karyotyping SC2055 vannamei

3.2 Alias

California perch.

4.1.1 Outline

Body fusiform, side flat, back thicker. Gape large, oblique fissure, retractable jaw, maxilla extending posteriorly to the eye. Snout to the base of the caudal fin row Lash strip-shaped spots. Gill cover has a radial spots 3. Between dorsal fin spines and soft fin portion has a small notch; lateral line complete, along the body Central dorsal side and parallel to the rear end of a few stretching over the tail fin. The first outer gill arch gill rakers developed, shaped like a crescent-shaped, in addition to the back of the gill rakers, the other three Surfaces are covered with down jagged bone protrusion of the fifth gill arch bone degenerate into a short rod, no gill and gill rakers. Ctenoid body is small. Back to green Olive, yellow-belly white. Shallow concave caudal fin.

Largemouth bass shape shown in Figure 1.

Figure 1 largemouth bass outline drawing

4.1.2.1 Fin

Dorsal fin. D. VIII ~ X, I-11 ~ 14.

Anal fin. A. III-9 ~ 12.

4.1.2.2 Lateral line scales

Scale formula. 55 7 ~ 914 ~ 17-A77

4.1.2.3 Gill rakers

The outside left of the first gill arch gill rakers. 6-7.

4.1.3 Measurable character

Artificial breeding conditions for the lower body length 223mm ~ 298mm, weight 305.2g ~ 662.8g individuals were found, which may be more than the amount of characters Values in

Table 1.

Table 1 Measured measurable character ratio

Length/body height length/head length body length/caudal peduncle length body
length/long tail height head/snout length head length/eye diameter head length/eye spacing
caudal peduncle length/tail height 2.878 ~ ~ 3.4843.983 3.7172.879 9.9286.012 ~ ~ ~
14.1032.975 ~ 5.4944.866 4.5701.063 6.7131.548 ~ ~ 2.348

4.2.1 Swim bladder

A swim bladder chamber. Long cylindrical.

4.2.2 Teeth

Tapered serrations, sharper.

4.2.3 Vertebrae

Total spine. 30 to 32.

4.2.4 Peritoneum

Peritoneal white.

5.1 Growth

Artificial breeding conditions for the lower body length 106mm ~ 298mm, weight 24.2g ~ 662.8g individuals were measured, and its length and weight

Table 2.

Table 2 Found body length and weight

Length/mm

Range 106 ~ 147 223 ~ 278 264 ~ 298 Mean 127 ± 10.5 252 ± 15.2 276 ± 8.9 Weight/g the
range of 24.2 - 66.9 305.2 662.8 ~ ~ 473 460 Mean 44.8 ± 10.5 398.3 ± 46.7 515.1 ± 48.5

5.2 Reproduction

5.2.1

The age of sexual maturity Artificial breeding conditions, females, males are 1+ age.

5.2.2 Spawner

Producing sticky eggs mature once a year, spawning a batch.

5.2.3 Fecundity

Absolute fecundity natural state. 4×10^4 Li $\sim 10 \times 10^4$ tablets. Under conditions of artificial breeding broodstock individual fecundity in Table 3.

Table fecundity broodstock individuals under artificial breeding condition 3

Length/mm 223 ~ 298

Absolute fecundity/grain 51094 ± 18768 Relative fecundity/(grains/g) 123 ± 29

6 Genetic characteristics

Genetic characteristics 6.1 Cell Somatic chromosome number. $2n = 46$ shape. Karyotype formula. $2m + 2st + 42t$. Chromosome arm number (NF). 48. Largemouth bass karyotype See Figure 2.

Figure 2 largemouth bass karyotype