

SECOND ANNUAL REPORT

R. Hale Esq

ON THE

Journal of Commerce
New York

GEOLOGICAL SURVEY

OF THE

STATE OF OHIO.

W. W. Mather
BY W. W. MATHER,
PRINCIPAL GEOLOGIST, AND THE SEVERAL ASSISTANTS.



COLUMBUS:

SAMUEL MEDARY, PRINTER TO THE STATE.

1838.

PTB
Digitized by Google

coved in a small stream in the village of Poland, Trumbull county; and have furnished the Boston Academy with a figure and description of it for publication.

*†10. *S. grisea*. The white perch of the Ohio river is esteemed as one of the best fishes for the table, and, therefore, fetches a high price in market. It differs entirely from a fish taken in Lake Erie, and known by the fishermen under the same name, which belongs to the family percoides. The Ohio species has been described by Rafenesque as the *amblodon grunniens*.

*†11. *S. oșcula*. The *sheeps-head* of Lake Erie resembles, in general appearance, the *S. grisea*; but I believe it to be a distinct species. It is not considered as eatable.

*†12. *E. caprodes*. The *etheostoma* is a new genus created by Rafenesque to receive several species of small fishes of our western waters, known by the vulgar name of Hog-fishes from the shape of their mouths and noses. The *E. caprodes* is common and furnishes the boys with amusement in taking them.

*†14. *E. maculata*. The spotted *etheostoma* exceeds in beauty the speckled trout or any other fish of our western streams. It is very rare, and I have met with it only in two instances. I have prepared a figure and description for publication.

*†15. *E. variata*. The variegated *etheostoma* is another new species discovered by myself in the Mahoning river. It is little inferior in beauty to the preceding species. I am indebted to Mr. Charles Pease for a specimen of the same species taken in the Cuyahoga.

*†16. *C. velifer*. Carp of the Ohio. It is evident from the figure and description of the *C. cyprinus* of Lesuer, that ours is a distinct species, which Rafenesque has very correctly described under the above name. It is common in the Cincinnati market, but is not much esteemed for eating.

*†17. *C. aureolus*. The mullet of the lake is confined to the waters of Lake Erie, and supplies the place of the *C. Duquesnii* of the Ohio. Like most of the members of this genus, it is worth but little as an article of food.

*†18. *C. elongatus*. The Missouri sucker, and the black-horse and black-buffalo of the Cincinnati market. Lesuer's figure of the *C. elongatus* in the journal of the Academy of Natural Sciences of Philadelphia, has so little resemblance to this fish, that I drew a figure of it and prepared a description under the name of *C. fusiformis*, before I had any suspicions that we were both aiming at one species. The number of rays in the several fins and the form of the dorsal led me at length to arrive at this conclusion. He had seen only a dried skin. It is said to be a good fish for the table, and commands a high price and rapid sale in the Cincinnati market.

*†19. *C. Duquesnii*. The white sucker is known by every one familiar with the fish of the Ohio.

*†20. *C. erythurus*. The red-horse is another common species in our markets, but is not highly esteemed.

*†21. *C. bubalus*. The buffalo and red-horse suckers are many