

In force Feb. 17,
1851.

Geologist to be
appointed.

AN ACT for a geological and mineralogical survey of the state of Illinois.

SECTION 1. *Be it enacted by the people of the State of Illinois, represented in the General Assembly,* That the governor, auditor and treasurer of the state are hereby authorized and required, as early as may be, to employ a geologist of known integrity and practical skill, for the purpose of making a geological and mineralogical survey of the entire territory of this state.

Duty of geolo-
gist.

§ 2. It shall be the duty of said geologist to proceed, as soon as the necessary arrangements can be made, and with as much dispatch as may be consistent with minuteness and accuracy, to ascertain the order, succession, arrangement, relative position, dip and comparative magnitude of the several strata or geological formation within the state; to search for and examine all the beds and deposits of ores, coals, clays, marls, rocks and such other mineral substances as may present themselves, and to obtain chemical analysis of these substances, the elements of which are undetermined, and, by strict barometrical observations, to determine the relative elevations and depressions of the different parts of the state.

To make annual
reports.

§ 3. It shall also be the duty of said geologist, during the time employed in the above work, to make annual reports of the progress and results of his labor, accompanied by such maps and drawings as may be deemed necessary, to illustrate the said reports; all of which shall be trans-

mitted to the governor, in such condition that he may, without delay, cause them to be printed and circulated throughout the state, or wherever else he may desire to send them.

§ 4. It shall be the duty of said geologist to procure and preserve a full and entire suit of the different specimens found in the state, and cause them to be delivered to the secretary of state, who shall cause them to be properly arranged in a cabinet, and deposited in some apartment in or convenient to the capitol. Said suit shall be sufficiently large to furnish specimens to all institutions of learning within the state, empowered to confer degrees in the arts and sciences.

Specimens required to be preserved.

§ 5. The final reports of said geologist shall embody the results of the entire survey, and shall be accompanied by a geological map of the state, showing, by different colors and other marks and characters, the precise localities and extent of the different geological formations.

Final report.

§ 6. For the purpose of carrying out and completing the said survey, the sum of not exceeding three thousand dollars is hereby placed at the disposal of the governor, to be applied to the payment of the said geologist, and such assistants as he may employ, by and with the consent of the governor, auditor and treasurer, and to defray the incidental expenses of the survey; which annual appropriation shall continue until the completion of said survey, or until its discontinuance be ordered by the legislature of this state.

\$3,000 appropriated.

§ 7. No money shall be paid to said geologist, or for the purpose of said survey, until the work shall be commenced.

Money, when paid.

§ 8. The said survey shall, if practicable, be commenced at the southern part of the state, and be proceeded with northerly.

Survey, where commenced.

This act to take effect and be in force from and after its passage.

APPROVED Feb. 17, 1851.