

# Geology and Soils Discipline Report Checklist

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Project Name: \_\_\_\_\_ Job Number: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Date Received: \_\_\_\_\_ Date Reviewed: \_\_\_\_\_ Reviewer: \_\_\_\_\_

(SAT = Satisfactory; INC = Incomplete; MIS = Missing; N/A = Not Applicable)

Answers are required for questions which have no N/A box.

A Geology and Soils Discipline Report can be highly detailed or extremely concise depending upon whether the level of impact or controversy is substantial or minimal. Project teams should take care to “right-size” the discipline report so it adequately addresses the impacts and controversy without over-analyzing or providing unnecessary information.

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## I. Summary

SAT INC MIS N/A

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|--------------------------|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | A. Presents significant environmental impacts, identified hazards, and mitigation recommendations in non-technical terms.   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | B. Summary is written in <a href="#">Plain Talk</a> language and is suitable for incorporation into the environmental document (EIS, EA, or DCE), for presentation at public hearings, or for use by management and policy groups in decision-making. |
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## II. Studies and Coordination

Included the sources of information used, such as:

SAT INC MIS N/A

- |                          |                          |                          |                          |   |
|--------------------------|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | A. U.S. Geological Survey topographic and geologic maps; Department of Natural Resources Geology and Natural Resource Division Geologic Maps. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | B. National Resource Conservation Service County Soil Survey(s).  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | C. Department of Ecology’s Coastal Zone Atlas of Washington.  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | D. Department of Natural Resources’ Washington LiDAR Portal.  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | E. Department of Natural Resources’ Geologic Hazard Maps.   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | F. County Geologic Hazard and Critical/Sensitive Areas maps.  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | G. Published reports, studies and boring logs from past projects and adjacent development.  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | H. Field review of site.  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | I. Coordination with appropriate federal, state, and local agencies and tribes.   |

### III. Affected Environment

Discuss as appropriate:

SAT INC MIS N/A

- |                          |                          |                          |                          |  |
|--------------------------|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | A. General topographic and geologic setting and significant features and landforms.  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | B. Soil types and relevant soil properties, important farmlands, and site limitations.   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | C. Geologic hazards identified including:  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | erosion hazards  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | landslide hazards  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | seismic hazards (e.g. groundshaking, ground fracture, liquefaction, tsunami)   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | volcanic hazards (e.g. lahars, glacial outburst floods)  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | other geologic hazard (e.g., subsidence, rockfalls)  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | D. Hazard identification incorporates local critical/sensitive area ordinances where they exist.   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | E. Describe source area (existing and potential) for construction materials (e.g., borrow, aggregate, topsoil) in the vicinity of the project. |
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### IV. Impacts

Describe:

SAT INC MIS N/A

- |                          |                          |                          |                          |  |
|--------------------------|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | A. Predicted direct construction and operational impacts of all project alternatives on geologic and soil condition, identified hazards, and economic resources. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | B. Predicted impacts of identified geologic hazards on project alternatives.   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | C. Indirect and cumulative impacts of project alternatives on geologic and soil condition, identified hazards, and economic resources.                           |

### V. Mitigation

Describe:

SAT INC MIS N/A

- |                          |                          |                          |                          |   |
|--------------------------|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | A. Mitigation measures, commitments, and monitoring procedures associated with impacts described in IV above. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | B. Mitigation measures considered or available but not included, with reasons why.                            |

General Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_