

Floodplain Discipline Report Checklist

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 Floodplain 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.

I. Introduction and Preliminary Drainage Survey

Studies shall contain:

- An analysis of design alternatives with consideration given to capital costs and risks; and
- The magnitude, approximate probability of exceedance and the water surface elevation associated with the overtopping flood.

Discipline reports need to include:

Investigation of potential problems, such as:

SAT INC MIS N/A

- | | | | |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | A. Flood hazard including future conditions under probable climate change scenarios. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | B. Channel stability. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | C. Effects on the environment – fish and wildlife, domestic water supplies, recreation. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | D. Debris. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | E. Skew of crossing. |

II. Affected Environment

Site data:

SAT INC MIS N/A

- | | | | |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | A. Vicinity map. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | B. Site map showing location of proposed and existing encroachment/structures, cross-section of the stream, alignment of piers, skew of crossing. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | C. Limits of 100-year floodplain. |

III. Studies and Coordination

SAT INC MIS N/A

- A. Is proposed action consistent with existing watershed and floodplain?
- B. Climate impacts vulnerability assessment.
- C. Permits required.
- D. Current/proposed water resource projects.

Report must describe:

- D. Flood history including:
 - 1. High water marks (with date and elevation).
 - 2. Nature of flooding.
- E. Existing structures including:
 - 1. Type.
- F. Foundation type.
- G. Scour history.
- H. X-Section beneath structure.
- I. Drainage area above encroachment.
- J. Evaluation of potential for changes in watershed characteristics, which may change magnitude of flood peaks (land use and climate change).

Determination of flow patterns for the 100-year event in the natural channel for existing conditions.

IV. Summary

Summarize the analysis done and conclusions reached. The summary should include enough detail and be written in [Plain Talk](#) language so it can be included in the EIS, EA, or DCE with only minor modification.

The summary should include:

SAT INC MIS N/A

- A. The objectives of the project.
- B. Current floodplain use.
- C. Projected changes in flow and flood elevation due to climate change.
- D. Impacts of all alternatives including the no-build alternative.
- E. Recommended mitigation including measures to increase climate change resiliency.
- F. Comparison of alternatives based on impacts and cost effectiveness of mitigation.

General Comments: _____