

**RELATIONSHIPS BETWEEN FY85 TERRESTRIAL
TASKS & ISSUES**

	TASKS																													AQUA- TIC	SOC. SCI.						
	TERRESTRIAL												13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29								
	1	2	3	4	5	6	7	8	9	10	11	12																									
Gen. Sup.	X	X	X	X		X																															
1					X			X	X	X	X		X		X																						
2					X			X							X																						
3					X			X							X																						
4					X		X	X								X									X	X											
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Alaska Power Authority
Susitna Hydroelectric Project

Terrestrial Issues

March 6, 1984

- W-1. Significance of reduction in moose carrying capacity directly attributable to the project.
- W-2. Significance of reduction in black bear denning and foraging habitat.
- W-3. Significance of reduction in brown bear spring foraging habitat.
- W-4. Significance of habitat reduction for middle basin furbearers and birds.
- W-5. Significance of Dall sheep habitat modification at Jay Creek lick.
- W-6. Significance of increase in accidents and inhibition of movements of big game mammals due to reservoir open water and ice conditions.
- W-7. Significance of inundation or other disturbance to bald eagle, golden eagle, and other raptor nests.
- W-8. Significance of changes in wildlife habitat and movements downstream of the dams due to changes in flow and ice cover.
- W-9. Significance of reduction in wildlife habitat due to construction camps/villages, permanent town, and airstrips.
- W-10. Significance of access road presence and use effects on caribou movements and behavior.
- W-11. Significance of increased accidental big game deaths from vehicle collisions due to increased access.
- W-12. Significance of reductions in big game and furbearer populations from increased hunting/trapping pressure due to increased accessibility of project area.
- W-13. Significance of other disturbances to wildlife due to human activities, such as aircraft overflights and construction noise.
- W-14. Formulation and implementation of construction worker transportation plan.

- W-15. Formulation and implementation of post-construction access policy.
- W-16. Feasibility and desirability of refinement of timing of construction and operation activities to reduce wildlife impacts.
- W-17. Feasibility and desirability of specific mitigation options, including moose and bear habitat enhancement, Jay Creek lick expansion, raptor nest habitat enhancement, revegetation of disturbed areas, downstream beaver habitat enhancement.
- W-18. Feasibility and desirability of types of mitigation options, including design or structural modifications, replacement lands/habitat, enhancement of lands/habitat, rehabilitation of disturbed lands, management options (scheduling or restrictions) to reduce disturbance or direct impacts, preventive measures.
- W-19. Formulation and implementation of post-construction plan to monitor significant impacts and the efficacy of specific mitigation measures.

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Susitna Hydroelectric Project

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FISCAL YEAR 1985
TERRESTRIAL PROGRAM TASKS

Level 1

1. Preparation of comments and responses to comments on the DEIS and FEIS and other information for the FERC.
2. Coordination of and participation in workshops and other elements of the settlement process.
3. General coordination of terrestrial program activities.
4. Preparation of materials to support FERC hearings.
5. Preparation of impact assessment and mitigation plan refinement reports (Levels 1 and 2)*.
6. Updating of the tracking and documentation system for impact assessment and mitigation planning.
7. Wetlands mapping.
8. Vegetation mapping and digitizing (Levels 1 and 2)*.
9. Moose calf mortality study.
10. Winter-spring monitoring of upstream moose including severe winter studies (Levels 1 and 2)*.
11. Testing of moose carrying capacity model.

Level 2

12. Detailed assessment of candidate compensation lands.
13. Moose browse inventory.
14. Field evaluation of disturbed areas.

* Task contains work that has been assigned to two or more of the four general levels of importance. See task description.

Level 2 (cont'd)

15. Site specific downstream riparian studies.
16. Moose population model refinement.
17. Brown & black bear monitoring (Levels 2 and 3)*.
18. Beaver field studies (Levels 2, 3, and 4)*.
19. Beaver population model refinement.
20. Survey of middle basin trappers.
21. Bald eagle food habits study.

Level 3

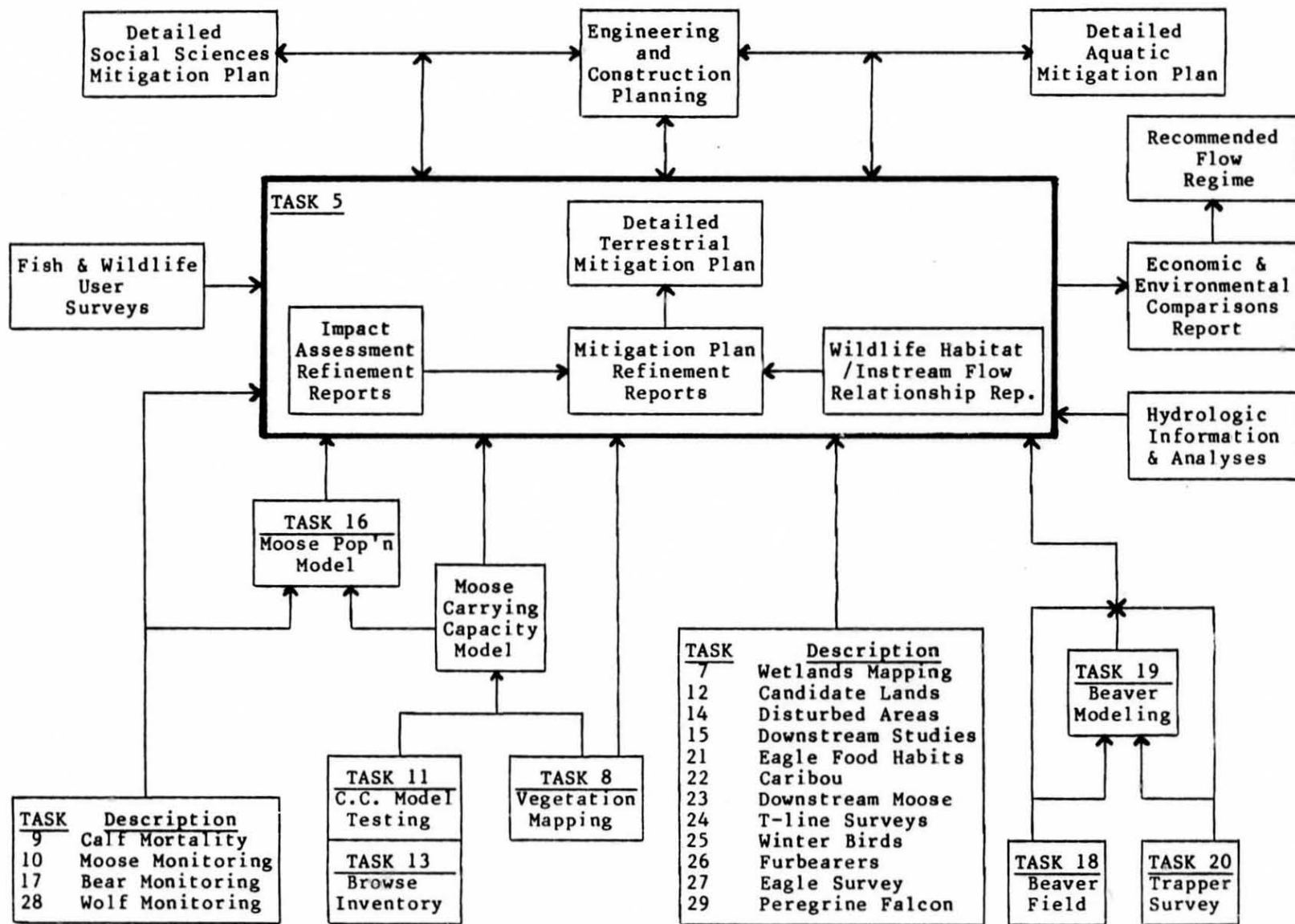
22. Caribou monitoring.
23. Downstream moose monitoring.
24. Transmission corridor trumpeter swan and bald eagle nest survey.
25. Winter bird surveys of impoundment zones.

Level 4

26. Other furbearer field studies.
27. Lower Susitna River bald eagle nest survey.
28. Wolf monitoring.
29. Monitoring of peregrine falcon nest sites.

* Task contains work that has been assigned to two or more of the four general levels of importance. See task description.

MAJOR LINKAGES AMONG FY85 TERRESTRIAL TASKS



Note: Tasks 1, 2, and 4 are general tasks that receive input from the above tasks.
 Task 6 provides a system for tracking and documenting task results.
 Task 3 provides coordination for all tasks.