

Airlift Logistics Operation for Emergency Relief

British Columbia Flood Response 2022

Project Management – Week 6
Module Code: LCLM5003
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BACKGROUND

In 2022, catastrophic flooding in British Columbia destroyed vital highways and bridges, isolating communities from critical supplies. Ground transport was impossible — urgent air-based logistics became the only lifeline for affected populations.

AIM

Ensure rapid air delivery of relief supplies (food, medicine, fuel) to isolated flood-affected regions.

OBJECTIVES

- Establish an air logistics network
- Coordinate with army, police, and volunteers
- Implement real-time tracking system
- Deliver supplies within 72 hours

KEY ACTIVITIES

- Assess priority areas and landing sites
- Mobilize aircraft and crews
- Set up command and tracking systems
- Execute airlifts and monitor progress

STAKEHOLDERS

- Primary: Canadian Armed Forces, BC Government, Provincial Emergency Program (PEP)
- Secondary: Red Cross, NGOs, Local Councils, Volunteers, Hospitals

RESOURCES & BUDGET (Summary)

Category	Estimated Cost (CAD)
Aircraft rental & fuel	1.2M
Personnel & training	0.4M
Tracking technology	0.2M
Supplies & packaging	0.3M
Total	2.3M CAD

TIMELINE

Phase	Duration
Planning & Coordination	Week 1
Monitoring & Tracking	Week 2-3
Evaluation	Week 3-4
Deployment	Week 5

EXPECTED OUTCOMES

- ✓ **Rapid delivery of life-saving aid**
- ✓ **Improved inter-agency coordination**
- ✓ **Reduced disaster impact and loss**
- ✓ **Strengthened community resilience**

Risks & Mitigation

The project faces risks such as weather delays, fuel shortages, coordination issues, and equipment failures. These will be mitigated through flexible scheduling and weather monitoring, pre-positioned fuel reserves, a centralized command system, and backup aircraft with on-site maintenance support.

Airlift Logistics Operation for Emergency Relief Gantt Chart



References:

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- Pettit, S. & Beresford, A. (2021) 'Critical success factors in humanitarian aid'
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Restoring hope and connectivity through airborne relief operations.