



Infrastructure Team Significant Impacts to Installation Sustainability

Fort Jackson Sustainability Workshop

Out Brief

11 Aug 05



Major Infrastructure Activities

1. Planning

- Needs Identification - Study
- Prioritize Asset Utilization
- Site Location /Placement

2. Designing

- Smart Design
- Permitting & Approval

3. Construction

- Procurement
- Build

4. Operation & Maintenance (O&M) and Monitoring

- Inspect
- Replace/Modify/Upgrade
- Maintain Safety & Security

5. Disposal

- Deconstruction
- Recycle/Reuse
- Leave-in Place
- Landfill

INFRASTRUCTURE

Buildings

Roads

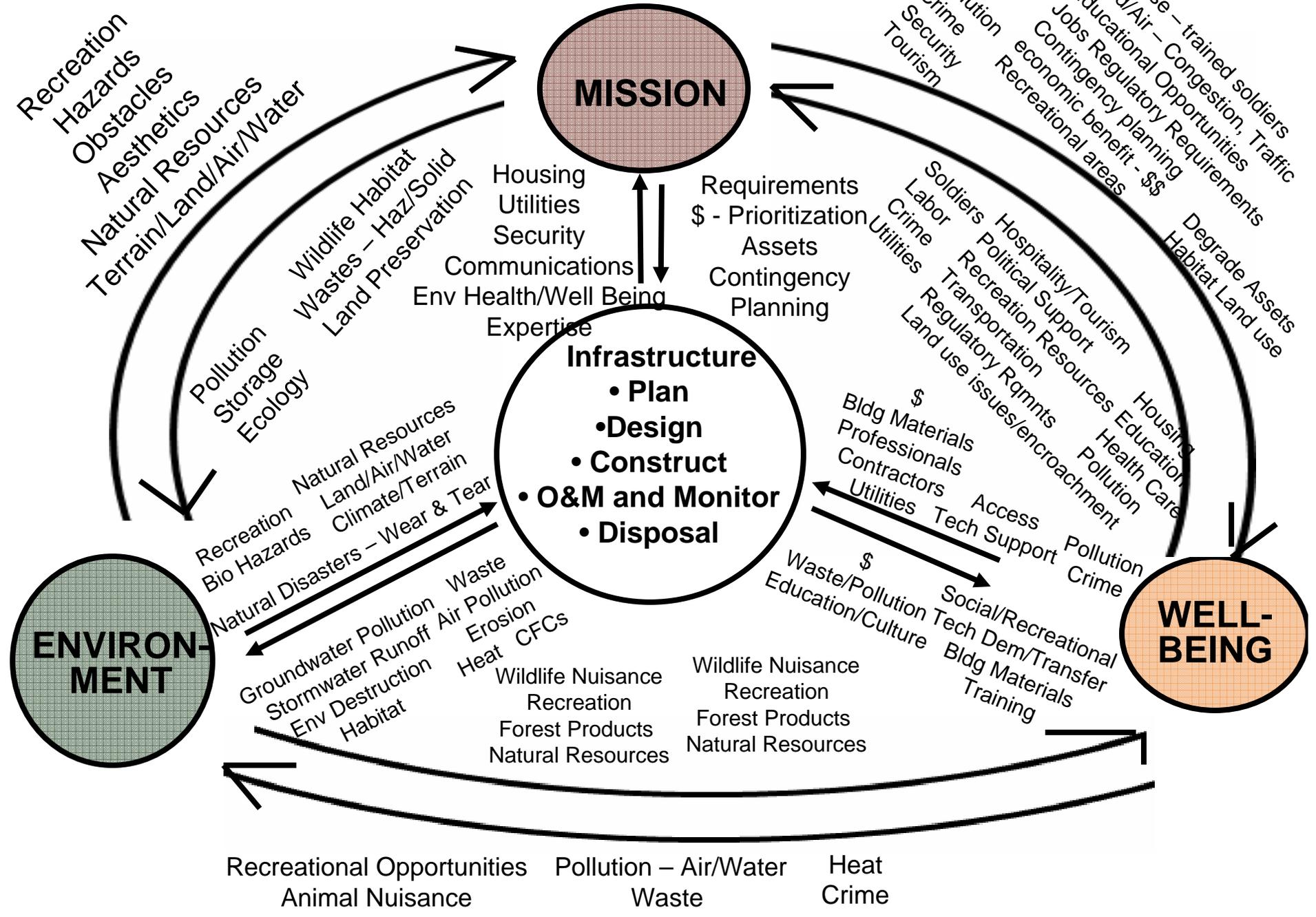
Utilities

Landscape

Natural Environment

Storage

Infrastructure System Map





Significant Mission Impacts

- 1. Inability to optimally adapt and respond to the long-term vision and changes in mission / Planning and Design / Rapidly changing requirements, time to approve and execute projects, availability and accuracy of documentation, and outdated design standards & specifications**
- 2. Decrease of availability of funds for the mission / O&M and Monitoring / Aging infrastructure, availability of resources, and reactive maintenance**



Significant Well-being Impacts



- 1. Overstressing Resources**
 - 1. O&M / Lack of or poor condition of on-post assets (Housing, Hospitals, Schools, Utilities, others)**
 - 2. Construction / Strain on local labor and materials**

- 2. Decrease Human Health and comfort / ALL activities / pollution sources and quality of facilities**



Significant Environmental Impacts



- 1. Stress on natural resources / Design and O&M / Lack of incorporating sustainable considerations into design, construction, and operation**
- 2. Stress the capacity of off-post landfill / Disposal**
- 3. Stormwater management, Air Quality, and Noise / Construction and O&M / Land, property, and vegetation disturbance**



Positive Impacts

- Technology Demonstration & Transfer
- Economic Impact
- Recreational, Educational, and Cultural Resources
- Preservation of Wildlife Habitat and Land Diversity



Key Data Needs

- **GIS/surveys**
- **Regulations**
- **Construction Standards**
- **Maintenance and Operations Standards**
- **Real Property Inventory**
- **As-Builts**
- **Utilities**
- **Installation Design Guide**



Team Proponent and Members

Proponent: Directorate of Logistics and Engineering (DLE)

Team Members:

- **Directorate of Plans, Training and Mobilization (DPTM)**
- **Procurement (DOC)**
- **Office of Resource Management \$ (RM)**
- **Directorate of Information Management (DOIM)**
- **Directorate of Emergency Services (DES)**
- **Environmental and Natural Resources (DLE)**
- **Engineering (DLE)**
- **Master Planning (DLE)**
- **Maintenance (DLE)**