

6/24/83

Action Plan to Assess Watershed and
Other Resource Damages Outside of the
Transportation System

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Full damage assessments are impossible at this time due to the ongoing processes of snowmelt, flooding, landslides, mudflows and loss of transportation system.

The disaster survey should be done in several steps.

Step 1. All category 1 incidents should be monitored until flows and landslide movement is stopped. All category 1 incidents should be surveyed during the week of June 27 to revise, refine and add to available maps and assessments.

Detailed helicopter and as needed field evaluations surveys to assess the extent and types of damage associated with these incidents are needed. A survey team composed of a hydrologist and soil scientist and/or geologist, in conjunction with District personnel, are needed to assess the current damage to streams and the stability of landslides and the frequency of the flood event that has occurred, and refine detailed damages as per Regional Office outline by Resources (attachments).

Step 2. Coordination with the Soil Conservation Service has begun and will continue to assure the proper hazard categories are assigned to each incident and to assure that incidents eligible for 403 funding will be properly handled.

The District conservationists for the respective counties and Ranger Districts are shown in Table 4.

Step 3. Aerial photographs at scales of 1:40,000 or larger should be taken of the entire Manti and Sanpitch Divisions about July 15 to be available on the Forest by August 1. According to Regional Office Geometrics, the ASCS has a contract for 1:40,000 B&W aerial photographs for all of Sanpete County. The Forest Service can add to this contract the additional areas of the Manti and Sanpitch Divisions for an estimated cost of \$3,500. However, by the contract, not all photos would be available until September.

Step 4. Beginning August 1, interdisciplinary teams, including the following disciplines, should survey each incident in detail to refine damage and prepare rehabilitation plans. These teams should each include:

District Resource Specialist
 Hydrologist
 Geologist
 Fisheries Biologist
 Revegetation Specialist
 Engineer

Soil Mgt. Spec.

This survey and rehabilitation plans should be completed and funding requests approved by September 1. Enough teams will be needed to meet this time frame.

Step 5. Damaged areas should be rehabilitated between September 1 and October 1, or before winter snows with 403 or other available funds.

A hydrologic evaluation of the snowpack, precipitation, temperatures and flood conditions should be prepared. Event frequencies should be calculated.

Flood plains should be identified and quantified.

Areas of sediment deposition should be mapped.

Debris dams in streams should be located.

Stream channel damage should be mapped and described.

These last two items can only be done by on-the-ground surveys. At this time, with moving landslides and high flows, the conditions are unsafe and changing too rapidly for effective surveys. Helicopter survey may locate large debris buildups that could cause flood releases at unexpected times.

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