VI - HYDROLOGIC FORECASTS

6-01 General.

a. Role of the Corps of Engineers. The Los Angeles District (LAD) does not prepare formal published hydrologic forecasts for Mathews Canyon Dam. The dam is designed with one ungated outlet to provide automatic regulation of the reservoir so as to limit all normal storm inflows to a maximum 260 cfs outflow up to the spillway crest elevation. The LAD has limited responsibilities for warnings other than in cases of extreme flooding events at Mathews Canyon Dam, and proper agencies are notified of any significant changes or anticipated changes as described in Section 5-06c.

b. Role of Other Agencies.

(1) Lincoln County Emergency Management. Formerly known as the Lincoln County Flood Control District, this is the agency responsible for local cooperation. This agency has agreed with the Corps of Engineers to adjust all water-rights claims resulting from the operation of Mathews Canyon Dam, and to keep the downstream channels free from man-made encroachment. Lincoln County Emergency Management is also responsible for providing warnings to downstream communities during emergencies.

(2) National Weather Service. The Airport Station of the National Weather Service at Las Vegas, Nevada, upon request, provides the LAD Reservoir Operation Center (ROC) with weather forecasts and climatological reports for the Muddy River Basin. The phone number and contact for this station is listed in the LAD document entitled "Instructions for Reservoir Operations Center Personnel" (the "Orange Book").

(3) National Resources Conservation Service. Data on existing snow cover in the nearby Pine Canyon Basin are available from the National Resources Conservation Service office in Reno, Nevada. This data is a good indicator of snow cover in the Mathews Canyon Basin. The phone number and contact for this office is also included in the "Orange Book".

6-02 Flood Condition Forecasts. Forecasts of flood hydrographs are not made for Mathews Canyon Reservoir. However, routine evaluation of precipitation, resulting inflow, and forecast precipitation, provides valuable information for use in subjective evaluations of flood situations. Using such information, LAD ROC can evaluate if an ongoing flood will increase or decrease over the next 24 hours.

6-03 Conservation Purpose Forecasts. No conservation forecasts are made for Mathews Canyon Reservoir since the outlet is ungated and cannot impound water for water conservation purposes.

6-04 Long-Range Forecasts. Long-range forecasts are not made for Mathews Canyon Dam because the project is a single-purpose flood control reservoir.

6-05 Drought Forecasts. Drought forecasts are not made at Mathews Canyon Dam and reservoir.