WEATHER SYSTEM
1977

JUSTIFICATION

With the present interest in fire management, the need for accurate weather data is a must. The new AFFIRMS computer system was put into effect this summer, providing every station with valuable information concerning fire forecasting. To get back forecasting information, it was necessary to place daily weather readings into the system. Thanks should be given to Dr. Jim Lehey for permitting the use of his 4 established weather stations for our weather collection.

OBJECTIVES

The objective this summer was to establish good procedures for the collection of weather data.

PROCEDURES

The weather data was collected at a station in the panhandle and at headquarters. The data needs to be collected as close to 1300 hours as possible.

Once a week on Saturdays, the hygrothermograph and microbarograph charts as well as instrument adjustments on humidity and temperature. The manuals for the proper care of the weather equipment in found in the weather data file. See following pages for data forms and data charts.

All charts are xeroxed for M-13 and the resource management files. The original is sent to Jim Lehey.

RESULTS

The weather data was collected and entered into the computer with very few problems.

RECOMMENDATIONS

Because the microbarograph chart runs from Monday to Monday, it is felt that Monday would be a better day to change the charts than on Saturday.

This year only a few people were trained well in the proper changing of the hygrothermographs. We would like to see everyone trained well in this operation, so that when fires occur and the people are pulled out of the park, there will still be someone available to provide the needed maintenance.

At the present time there is not a rain guage in the panhandle, so we recommend that one be placed there for next years operation.

CHART: DATE _____

Time off _____ Time on _____

Temperature _____ Temperature _____

Rel. Humidity _____ Rel. Humidity _____

PSYCHROMETER:

Dry Bulb _____ Temperature Adjustment _____

Wet Bulb _____ Rel. Humidity Adjustment _____

Depression _____ Station # _____

BAROMETER:

Time off _____ Remarks _____

Time on _____ _____

_____

HYGROTHERMOGRAPH WEATHER DATA SHEET

CHART: DATE _____

Time off _____ Time on _____

Temperature _____ Temperature _____

Rel. Humidity _____ Rel. Humidity _____

PSYCHROMETER:

Dry Bulb _____ Temperature Adjustment _____

Wet Bulb _____ Rel. Humidity Adjustment _____

Depression _____ Station # _____

BAROMETER:

Time off _____ Remarks _____

Time on _____ _____

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