UNITED STATES DEPARTMENT OF AGRICULTURE FOREST SERVICE TUSAYAN NATIONAL FOREST ADDRESS REPLY TO FOREST SUPERVISOR AND REFER TO WILLIAMS, ARIZONA February 9, 1917. Boundaries-Tusayan, Grand Canyon National Park. Hon. Carl Hayden. House of Representatives, Washington. D. C. My dear Mr. Hayden: Your letter of February 2 with enclosure and map have been received. I am very glad, indeed, to learn that matters are moving in regard to the Grand Canyon National Park Bill. I have read with considerable interest the copy you sent and believe it contains excellent provisions for the right kind of administration. As regards the boundary, I would suggest a little change although on the whole I think it covers very well the area which properly should be included. Personally, I am not very much in favor of boundary description by natural features such as the rim of the Canyon, a bank of a creek or a temporary line such as a road. It appears to me that in this casepparticularly the exact locations for boundary lines are important since the country adjoining the Park has considerable

mineral possibilities and in its development in this respect quite a few legal complications might arise if a boundary line cannot be unquestionably located on the ground. As regards the use of a roadway for a boundary, I have in mind particularly a portion of the Grand Canyon National Monument boundary where we have for this reason quite a little difficulty in settling upon the exact line. This is because the roadway originally selected was abandoned some years ago and a new one constructed. In the course of a short time the old roadway has been almost obliterated through ordinary natural changes. Considering these points, my suggestion would be for you to select a projected section line following as closely as possible the creeks or roads described in the bill or else to be sure the Secretary of the Interior is provided with authority to make final decision in regard to the location of the boundaries as now described in the bill.

As regards Cataract Canyon, I would consider it a little safer to take in a small strip of country along the west rim since this would affordecomplete control by the Government of all scenic points. Such a change would include comparatively little grazing country for the range immediately west of Cataractthas not been developed.

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If the Park boundaries were made to follow the present western line of the National Monument it would take in the lower part of Hualapai Canyon, a very picturesque one entering Cataract from the west side and just above the Supai Village.

Another question occurs to me in connection with boundaries along natural features. Where Hualapai Canyon enters Cataract there is a break in the upper rim of the latter of a mile or more. Do you not think that using the west rim of Cataract as a boundary here would lead to confusion?

I believe that the wording of lines 13 and 14, page 2 is in error. Our maps show Cataract Canyon as not intersecting the range line between Ranges 4 and 5 West but entering the Colorado River just east of this range line. Your map, however, agrees with ours in the location of Cataract. We have no detailed maps of this country and in locating Cataract Canyon only rough surveys have been made by us based on the survey of the Havasupai Indian Reservation and the locations of Cataract as shown in the G. L. O. Township Plats of Townships 31 and 32 North, Range 4 West.

A typographical error apparently occurs on line 1, page 6 inasmuch as the first word should obviously be

twenty-two instead of twenty-five.

I have written at some length giving you merely my personal views on the matter. As I expect you know, the National Monument is not now under my jurisdiction but is administered by Deputy Supervisor T. Earl Wylder, at Grand Canyon, under the direct supervision of the District Forester. I presume you have already had an expression of opinion from the District Forester on the bill but I am sending copy of this letter to him as well as Mr. Wylder in case they might desire to make further suggestions.

Very sincerety yours

Forest Supervisor.