

JUL 17 1986

DISTRIBUTION

WM SF (101)

WMGT rf

NMSS rf

AWarner & rf

MFliegel

PSJustus

NColeman

MWeber

JLinehan

PHildenbrand

NOTE/AW/86/07/17/1

- 1 -

NOTE TO: Myron H. Fliegel, Section Leader, WMGT

FROM: Andrew Warner, Summer Intern, WMGT

SUBJECT: PROGRESS REPORT ON BWIP WATER LEVEL RETRIEVAL PROJECT

In order to keep you current on my project, this note provides a report regarding my efforts to develop a conceptual model of the regional groundwater flow system at Hanford, Washington. I am presently attempting to retrieve water level data for the Pasco Basin area from the U.S. Geological Survey WATSTORE computer data base.

As directed by Mike Weber, the objective of my project is to develop a regional model of the hydrogeologic system of the Pasco Basin, Washington. I recently attempted to retrieve groundwater data from WATSTORE in and around the Pasco Basin. The retrieval process consists of two steps: first, familiarizing myself with the WATSTORE data base; and second, accessing the system to obtain data. The first step was accomplished by studying the "USGS User's Guide, Volume 1" and "Guide to the USGS WATSTORE System for NRC Users" (Witkowsky and Codell), as well as consulting with Dick Codell on particular problems. After numerous unsuccessful attempts to acquire data, I contacted both the Reston office (Neil Stuthman) and the Takoma regional office (Brian Drost) of the USGS. From these conversations, I found I had been attempting to retrieve the groundwater data from an incorrect file and did not know how to retrieve groundwater data because NRC did not possess the documentation for the appropriate file. I have since picked up the needed documentation from the Reston office and am again trying to retrieve data.

The approach for the remainder of my project will depend upon the quantity and quality of data available from WATSTORE. I plan to assess these data and to use average annual water levels to construct groundwater contour maps for appropriate hydrogeologic units. Based on these maps, I intend to identify regional groundwater flow patterns in the Pasco Basin in support of conceptual model development. Please contact me if you have any questions about this project.

ORIGINAL SIGNED BY WM Record File 101 WM Project 10
 Andrew Warner, Summer Intern Docket No. _____
 WMGT PDR
 Distribution: LPDR

 (Return to WM, 623-SS)

OFC :WMGT	:	:	:	:	:	:
NAME :AWarner	:	:	8609090520 860717	:	:	:
DATE :86/07/	:	:	PDR WASTE	:	:	:
	:	:	WM-10	:	PDR	:

2012