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 AUTH. NAME: SORENSEN, G.C. AUTHOR AFFILIATION: Washington Public Power Supply System  
 RECIP. NAME: SCHWENCER, A. RECIPIENT AFFILIATION: Licensing Branch 2

SUBJECT: Forwards Rev 2 to "Description of Early Warning Sys for WPPSS Nuclear Plants 1 & 2" & info requested in 850131. telcon re estimated transient population distribution along Columbia River & coast guard notification of population.

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The first part of the document discusses the importance of maintaining accurate records. It emphasizes that proper record-keeping is essential for the efficient operation of any organization. This section also touches upon the legal implications of record retention and the role of various departments in ensuring compliance.

In the second section, the focus shifts to the implementation of record management systems. It details the steps involved in selecting a suitable system, from initial assessment to full-scale deployment. The text highlights the need for thorough training and ongoing support to ensure that all staff members are effectively utilizing the new system.

The third part of the document addresses the challenges associated with record management. It identifies common issues such as data redundancy, inconsistent formatting, and the difficulty of retrieving information. The author provides practical advice on how to overcome these challenges through standardized procedures and regular audits.

Finally, the document concludes with a summary of key takeaways and a call to action. It encourages organizations to view record management not as a mere administrative task, but as a strategic initiative that can significantly enhance operational efficiency and data security. The author stresses the importance of continuous improvement and staying up-to-date with the latest industry trends.

Appendix A

Table 1

## Washington Public Power Supply System

P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 372-5000

February 13, 1985  
G02-85-71

Mr. A. Schwencer, Chief  
Licensing Branch No. 2  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Mr. Schwencer:

Subject: EARLY NOTIFICATION SYSTEM DESCRIPTION

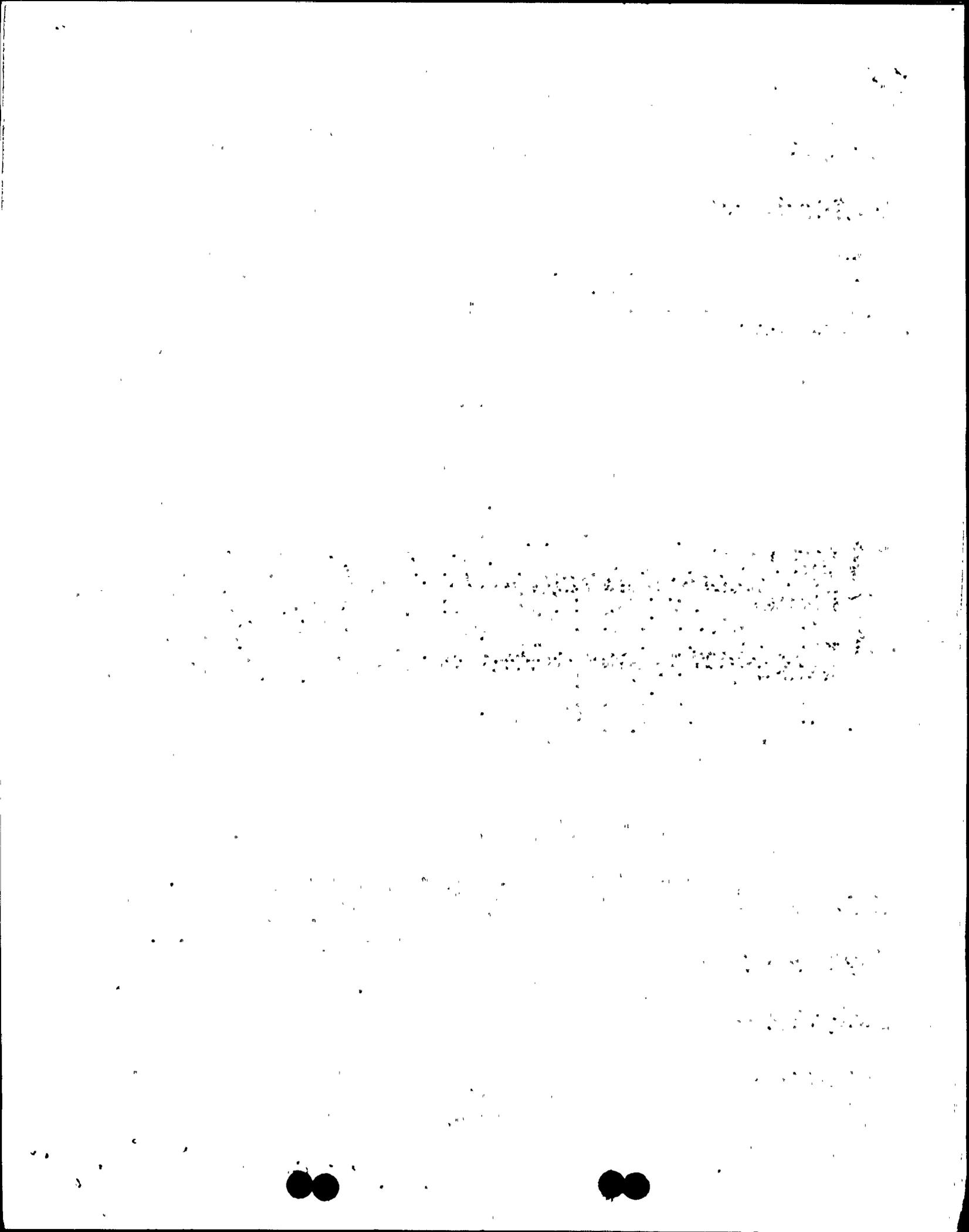
- References:
- 1) Assessment of Emergency Early Warning at Washington Public Power Supply System Hanford Site, R. F. Haight, October, 1982.
  - 2) Letter: From Robert L. Ferguson, Managing Director Washington Public Power Supply System, to William J. Dircks, Executive Director of Operations NRC, Washington, D.C., dated November 8, 1982.
  - 3) Letter: From Robert L. Ferguson, Managing Director Washington Public Power Supply System, to William J. Dircks, Executive Director of Operations NRC, Washington D.C., dated January 17, 1983.
  - 4) Letter: From William J. Dircks, Executive Director of Operations NRC Washington D.C., to Robert L. Ferguson, Managing Director Washington Public Power Supply System, dated February 14, 1983.

Enclosed is a revised description of the Early Warning System for Washington Public Power Supply System Nuclear Plants 1 and 2. This report is provided for use by the NRC staff and FEMA in your operational evaluation of our system. This revision responds to comments and requests for additional information by the FEMA staff during their preliminary review of the WNP-2 early warning systems.

Additionally, during a January 31, 1985, meeting with members of the NRC staff and FEMA representatives (by telephone), we were asked to provide more detail regarding the estimated transient population distribution along the Columbia River and the process of Coast Guard notification of this population. The information in Tables 1, 2 and 3 and in Figure 1 is provided in response to that request.

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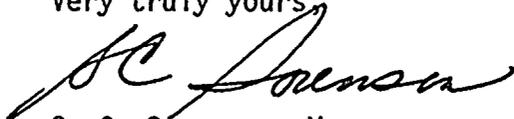
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Mr. A. Schwencer  
Early Notification System Description  
Page Two  
February 13, 1985  
G02-85-71

Confirming our discussions in the January 31, 1985, meeting, it is the Supply System's position that the existing notification system along the Columbia River adequately protects public health and safety and meets the intent of the NRC regulations regarding early notification. This matter was previously reviewed and approved by the NRC (references 1 through 4). Based on the cited technical references and the additional information provided herein, it is our conclusion that additional notification systems or procedure would not significantly enhance safety, are not mandated by regulations and simply are not warranted. By copy of this letter, we request that FEMA conduct their performance evaluation of the WNP-2 Early Warning Systems to confirm that installed systems and procedure are consistent with the approach proposed by reference (2) and (3) and approved by reference (4).

Very truly yours,



G. C. Sorensen, Manager  
Regulatory Programs

cc: R. Auluck, NRC  
W. Chin, BPA  
D. Donovan, FEMA Region X  
R. Fish, NRC, Region V  
D. Mathews, NRC  
A. Toth, NRC, WNP-2  
R. Wilkerson, FEMA Headquarters  
C. Wingo, FEMA Headquarters

Enclosure: Revised Early Warning System Description, Rev. 2, dated  
January, 1985.



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1950 (Jan 2nd) 1950 10

1950 (Jan 2nd) 1950 10

1950 10

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TABLE 1  
 ESTIMATED COLUMBIA RIVER  
 TRANSIENT POPULATION-SEASONAL DISTRIBUTION  
 (WEEKEND USAGE\*)

<u>Quarter</u>	<u>Total Number of Sportsmen/ Boaters on Columbia River</u>	
	<u>Average</u>	<u>Maximum</u>
January - March	35	130
April - June	100	500
July - September	300	835
October - December	300	600

\*Weekday utilization is estimated to be less than 50% of weekend usage.



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TABLE 2  
 ESTIMATED TRANSIENT POPULATION  
 ON COLUMBIA RIVER NOTIFIED BY  
 SIREN COVERAGE OR EVACUATING TRANSIENTS

<u>Distance From Plant</u>	<u>Percent of the Columbia River Transient Population Not Notified by Sirens or Evacuating Transients</u>
0 - 3 mile	0
3 - 5 mile	<10
<u>5 -10 mile</u>	<u>&lt;10</u>
0 -10 mile	<20%



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TABLE 3

## ESTIMATED COAST GUARD NOTIFICATION TIMES

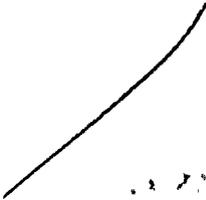
	<u>Nominal*</u>	<u>Maximum**</u>
Time to reach edge of EPZ and begin notification	20 Min.	45 Min.
Time to perform notifications	<u>40 Min.</u>	<u>135 Min.</u>
Total	60 Min.	180 Min.

\*Assumes good weather/river conditions and use of both Coast Guard boat from South and DOE boat from North.

\*\*Assume adverse weather/river conditions and unavailability of DOE boat. Note that adverse weather is most prevalent during 1st and 4th quarters which correspond to low usage periods.

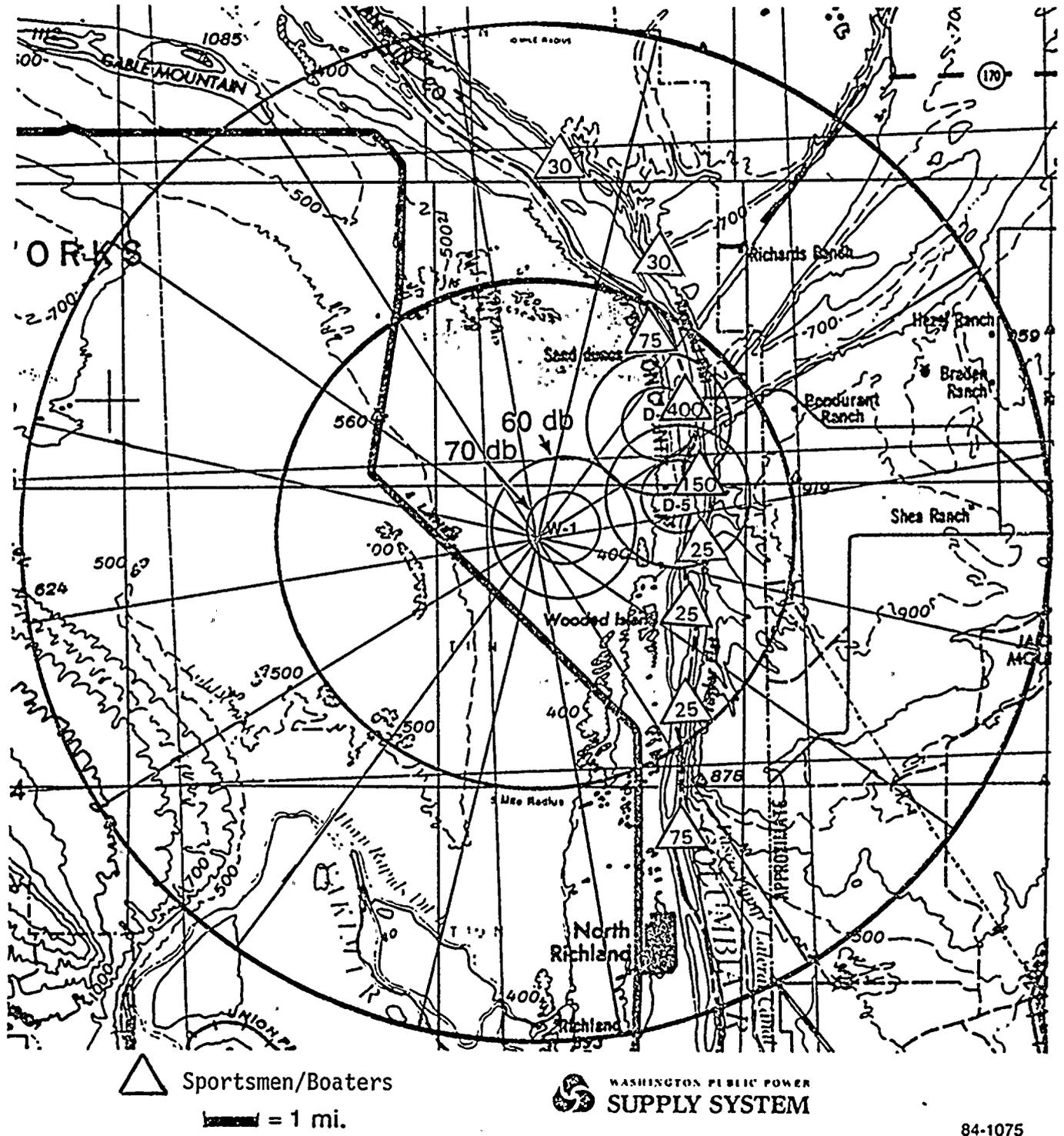


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# SIREN COVERAGE



**FIGURE 1** ESTIMATED TRANSIENT POPULATION DISTRIBUTION ALONG THE COLUMBIA RIVER REACH DURING PERIODS OF MAXIMUM USE.



1970-1971  
 1972-1973  
 1974-1975  
 1976-1977  
 1978-1979  
 1980-1981  
 1982-1983  
 1984-1985  
 1986-1987  
 1988-1989  
 1990-1991  
 1992-1993  
 1994-1995  
 1996-1997  
 1998-1999  
 2000-2001  
 2002-2003  
 2004-2005  
 2006-2007  
 2008-2009  
 2010-2011  
 2012-2013  
 2014-2015  
 2016-2017  
 2018-2019  
 2020-2021  
 2022-2023  
 2024-2025