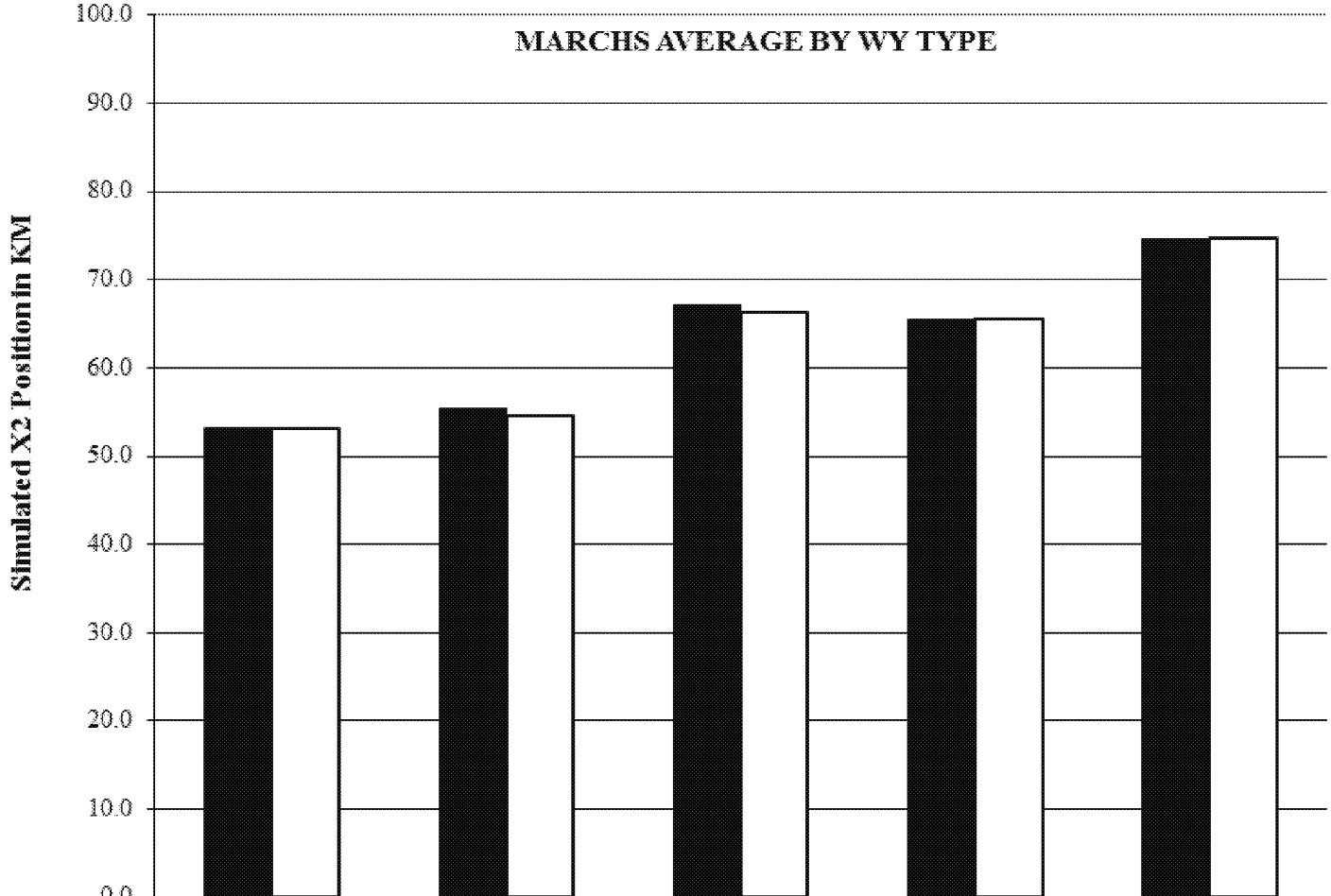


	W (n = 26)	AN (n = 13)	BN (n = 11)	D (n = 20)	C (n = 12)
■ CWF NAA ELT CH20150408	53.1	55.3	67.1	65.6	74.6
□ CWF PA ELT CH20170428	53.1	54.6	66.2	65.6	74.8

Figure B-12. Simulated X2 position averaged by WY type for all Marchs based on 82 years of CalSim II modeling.

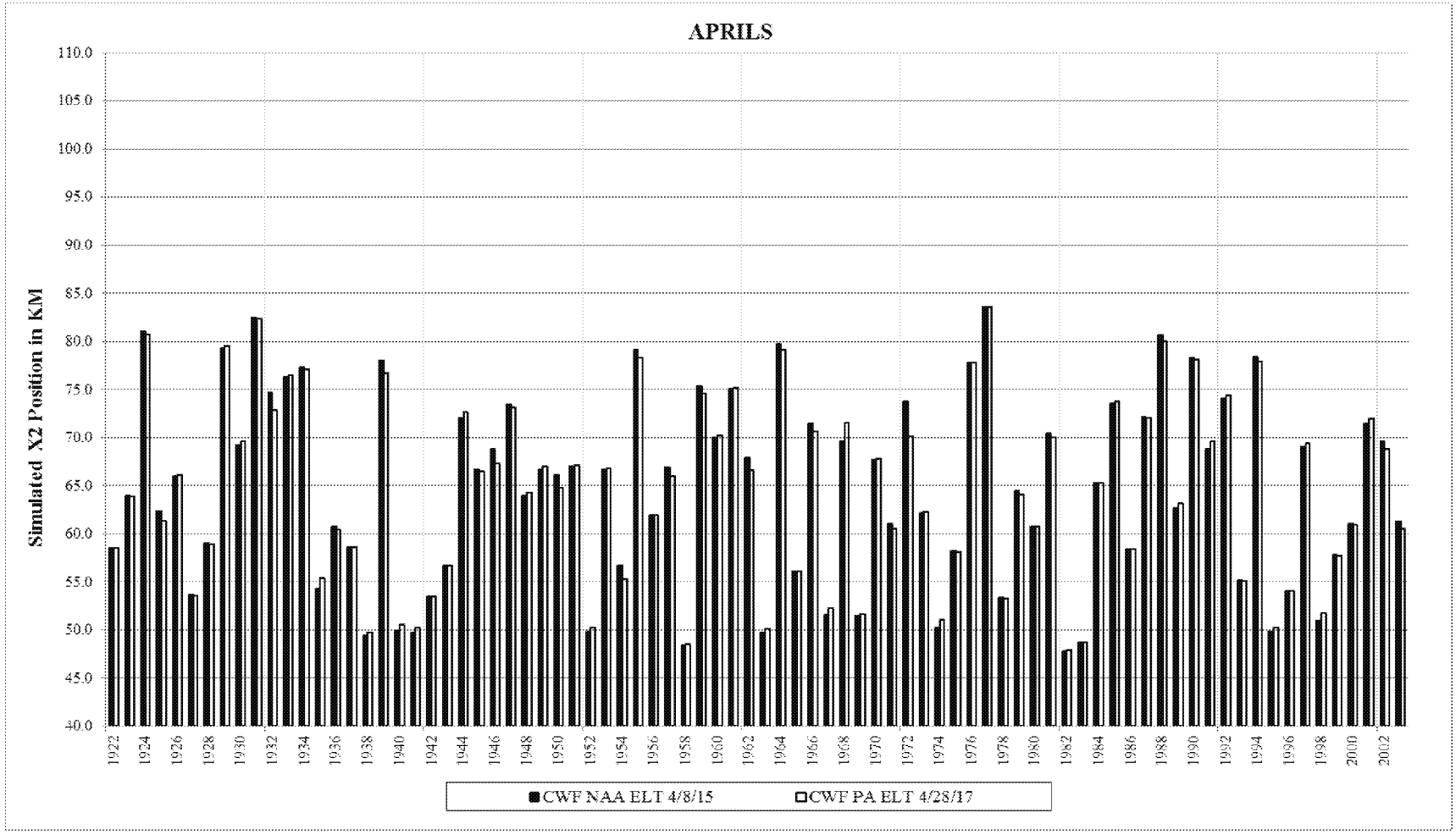


Figure B-13. 82 years of simulated X2 position in kilometers for all Aprils based on 82 years of CalSim II modeling.

ED_002551_00001041-00503

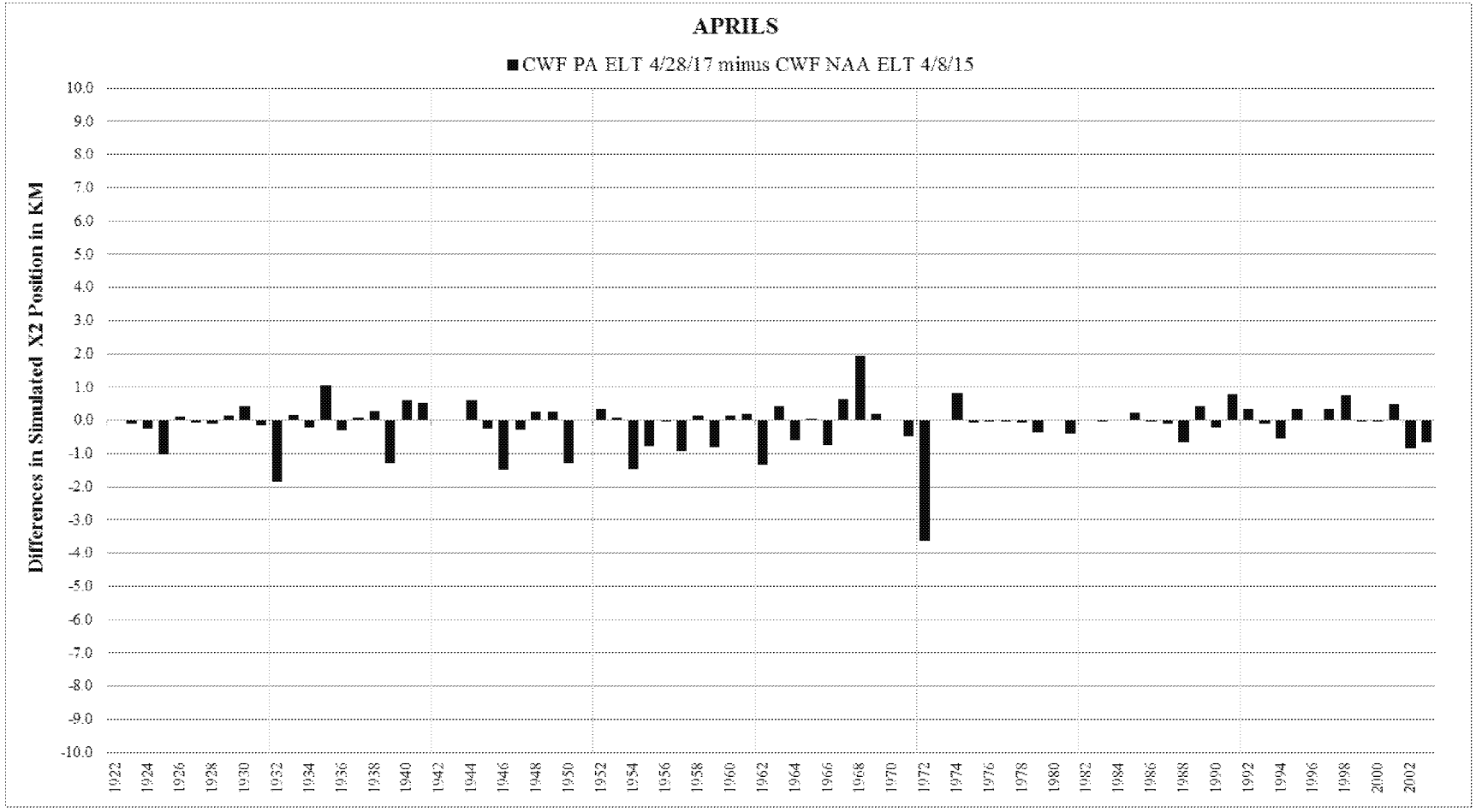


Figure B-14. Difference in the position of X2 in kilometer between the PA and the current projected baseline conditions (NAA) for all Aprils based on 82 years of CalSim II modeling.

ED_002551_00001041-00504

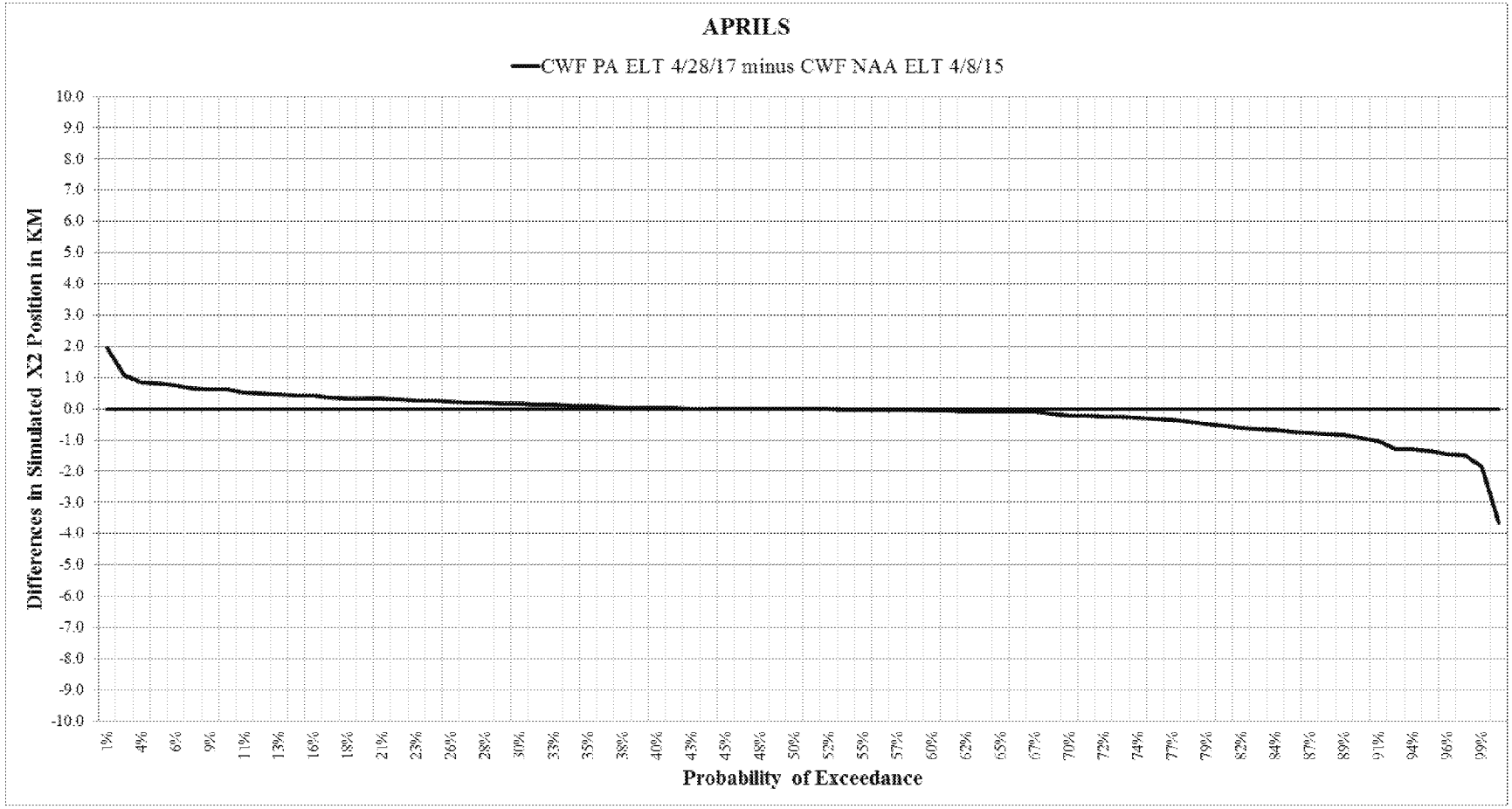
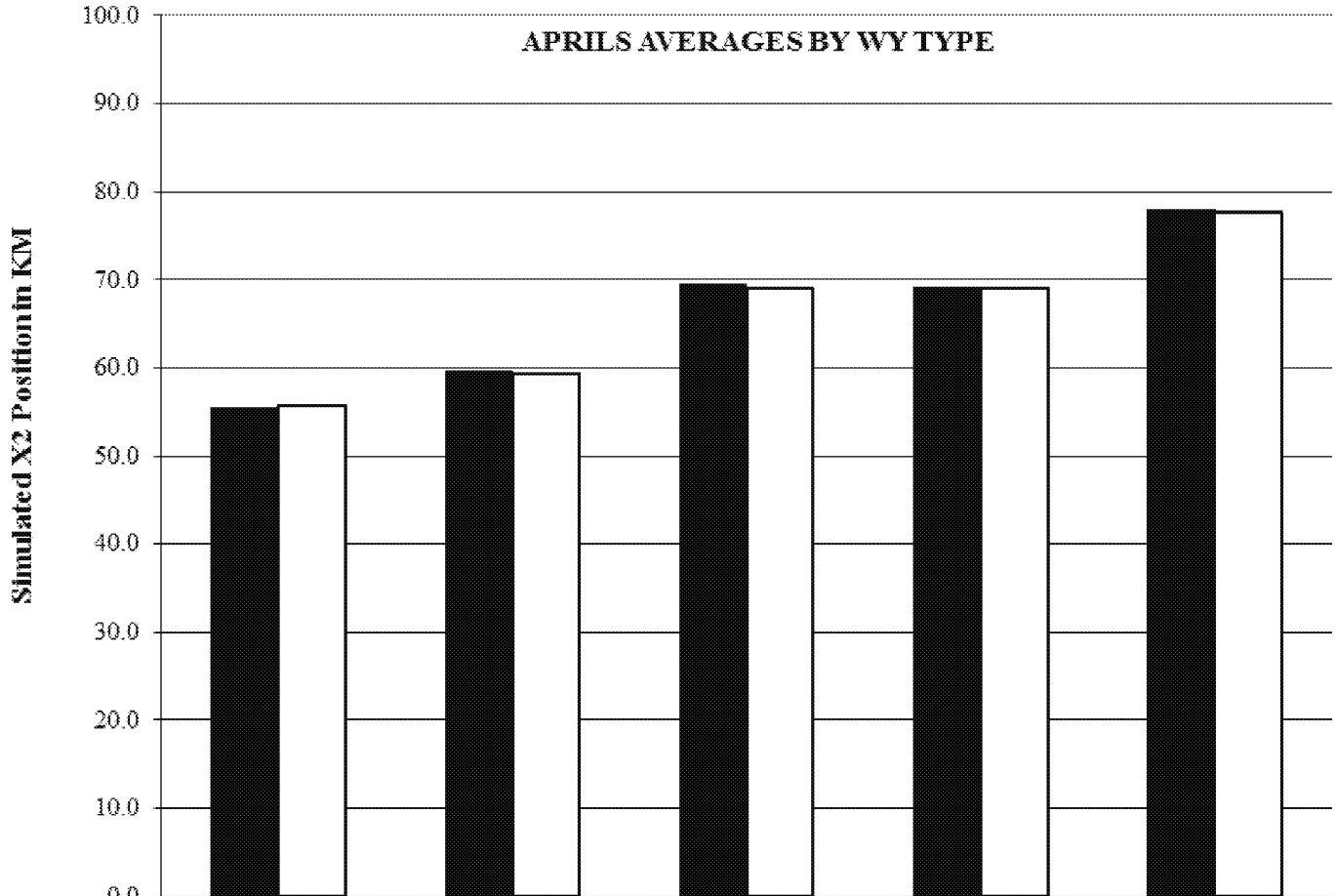


Figure B-15. Probability of exceedances of differences in simulated X2 position for all Aprils based on 82 years of CalSim II modeling.

ED_002551_00001041-00505



	W (n = 26)	AN (n = 13)	BN (n = 11)	D (n = 20)	C (n = 12)
■ CWF NAA ELT CH20150408	55.5	59.7	69.5	69.1	77.9
□ CWF PA ELT CH20170428	55.7	59.4	69.0	69.0	77.7

Figure B-16. Simulated X2 position averaged by WY type for all Aprils based on 82 years of CalSim II modeling.

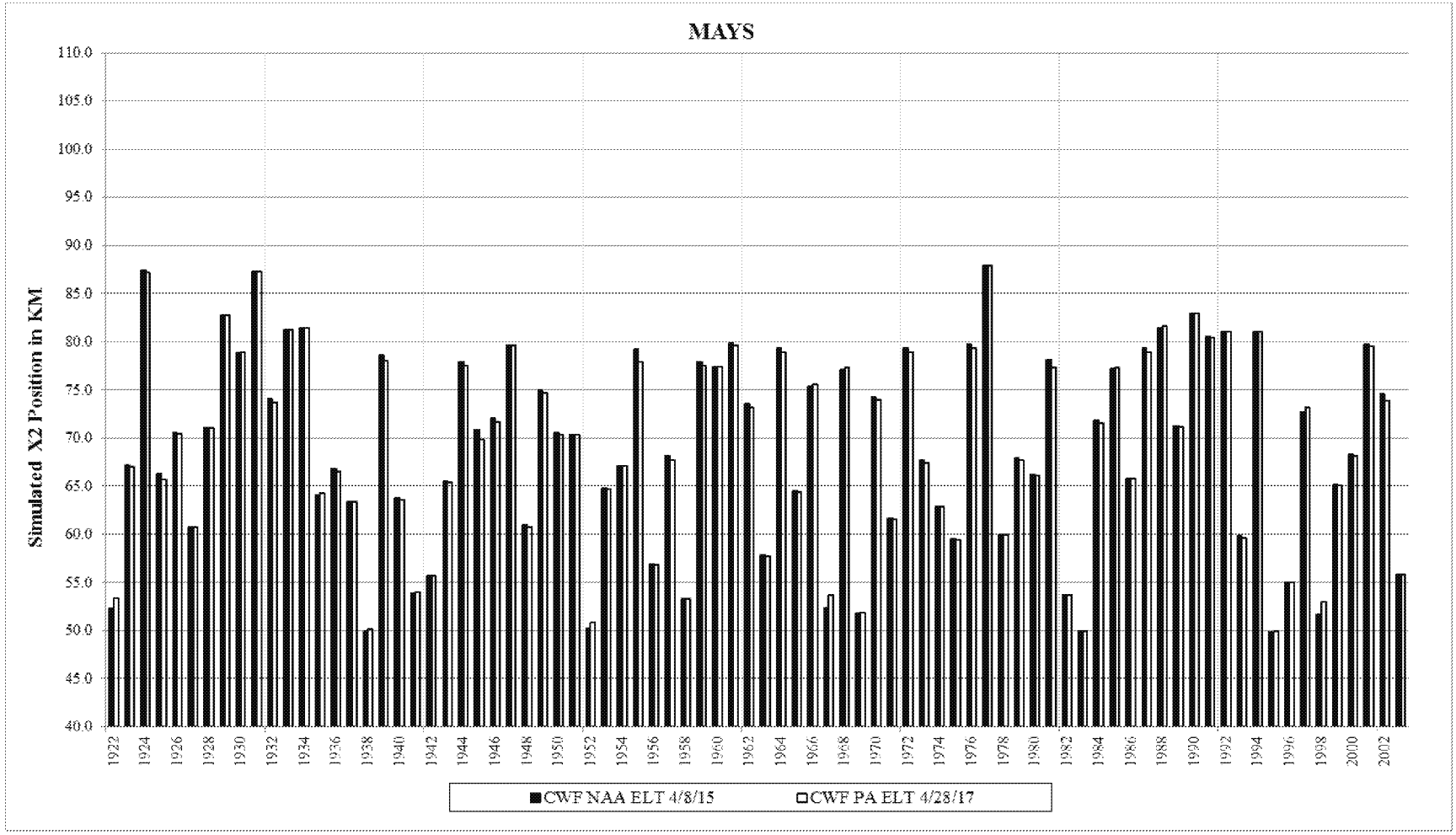


Figure B-17. 82 years of simulated X2 position in kilometers for all Mays based on 82 years of CalSim II modeling.

ED_002551_00001041-00507

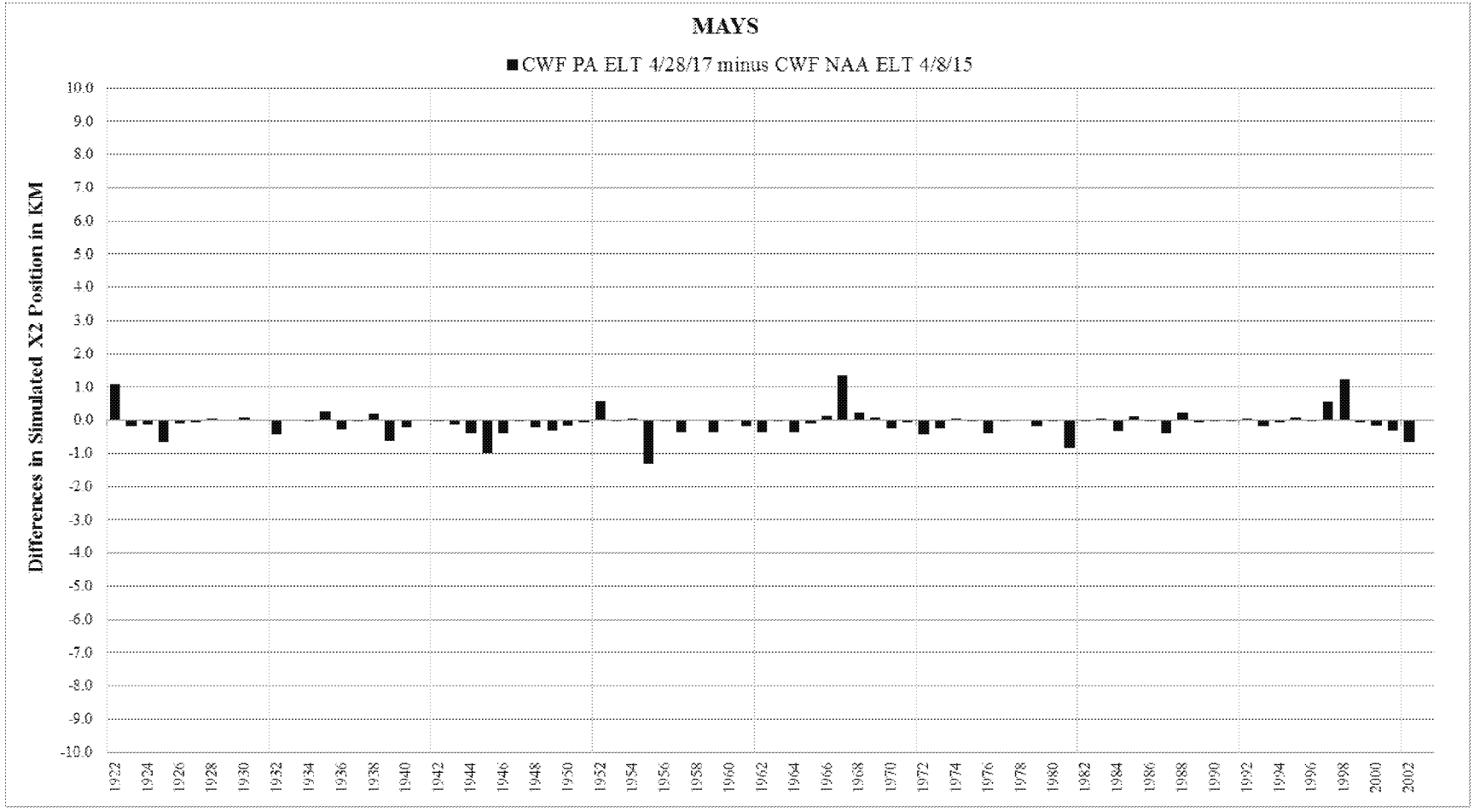


Figure B-18. Difference in the position of X2 in kilometer between the PA and the current projected baseline conditions (NAA) for all Mays based on 82 years of CalSim II modeling.

ED_002551_00001041-00508

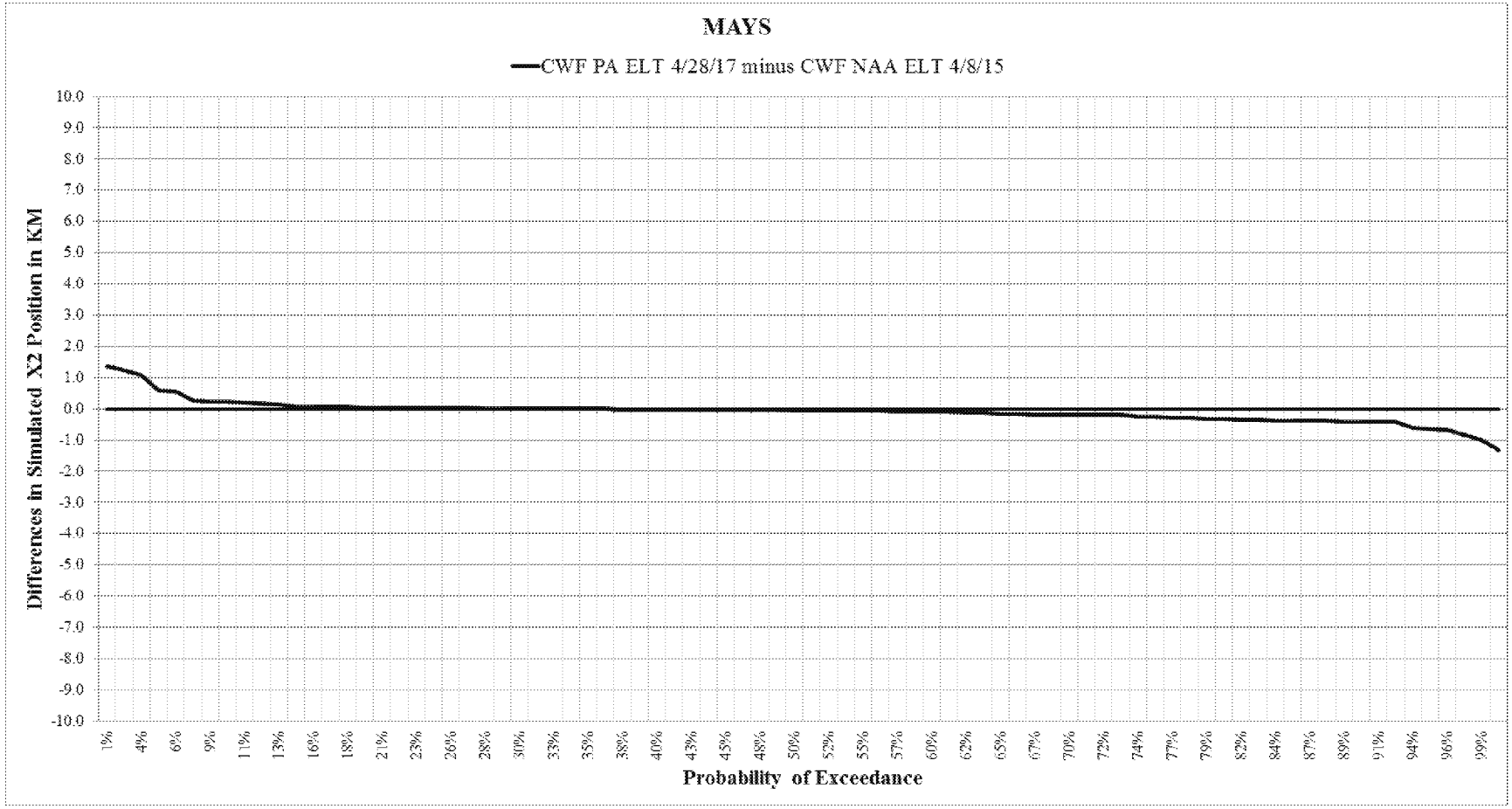
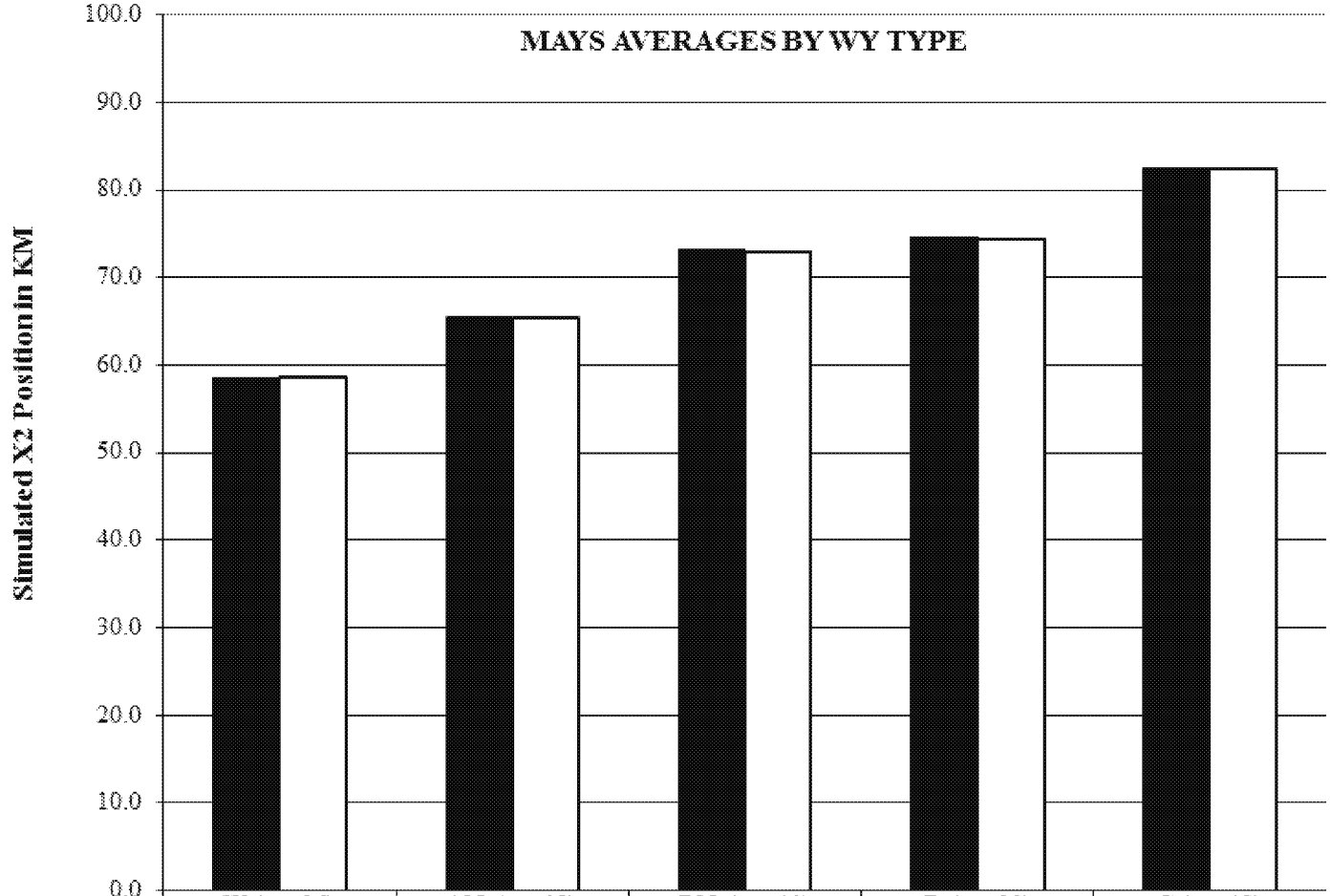


Figure B-19. Probability of exceedances of differences in simulated X2 position for all Mays based on 82 years of CalSim II modeling.

ED_002551_00001041-00509



	W (n = 26)	AN (n = 13)	BN (n = 11)	D (n = 20)	C (n = 12)
■ CWF NAA ELT CH20150408	58.6	65.4	73.2	74.6	82.4
□ CWF PA ELT CH20170428	58.7	65.3	72.9	74.3	82.4

Figure B-20. Simulated X2 position averaged by WY type for all Mays based on 82 years of CalSim II modeling.

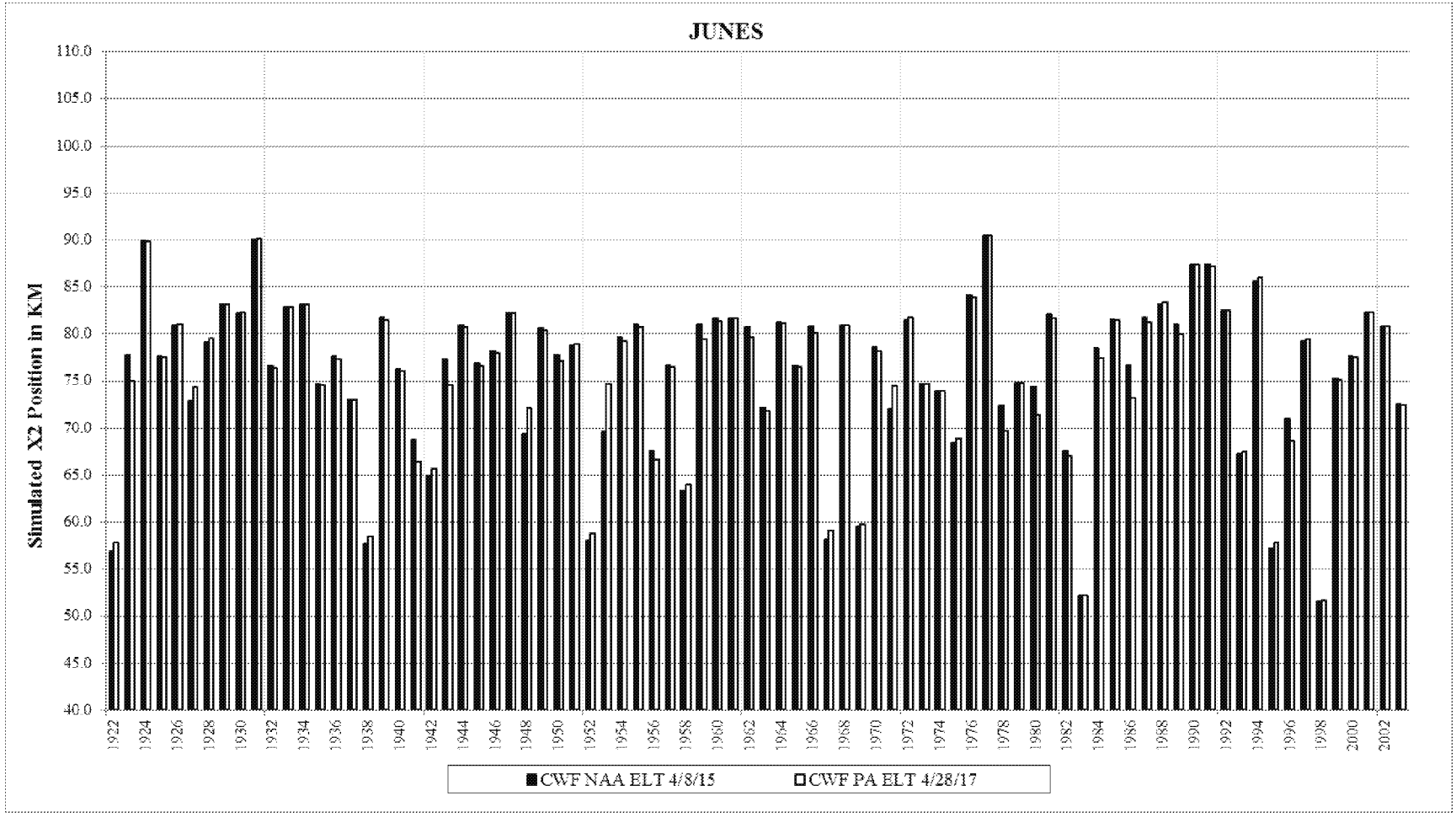


Figure B-21. 82 years of simulated X2 position in kilometers for all Junes based on 82 years of CalSim II modeling.

ED_002551_00001041-00511

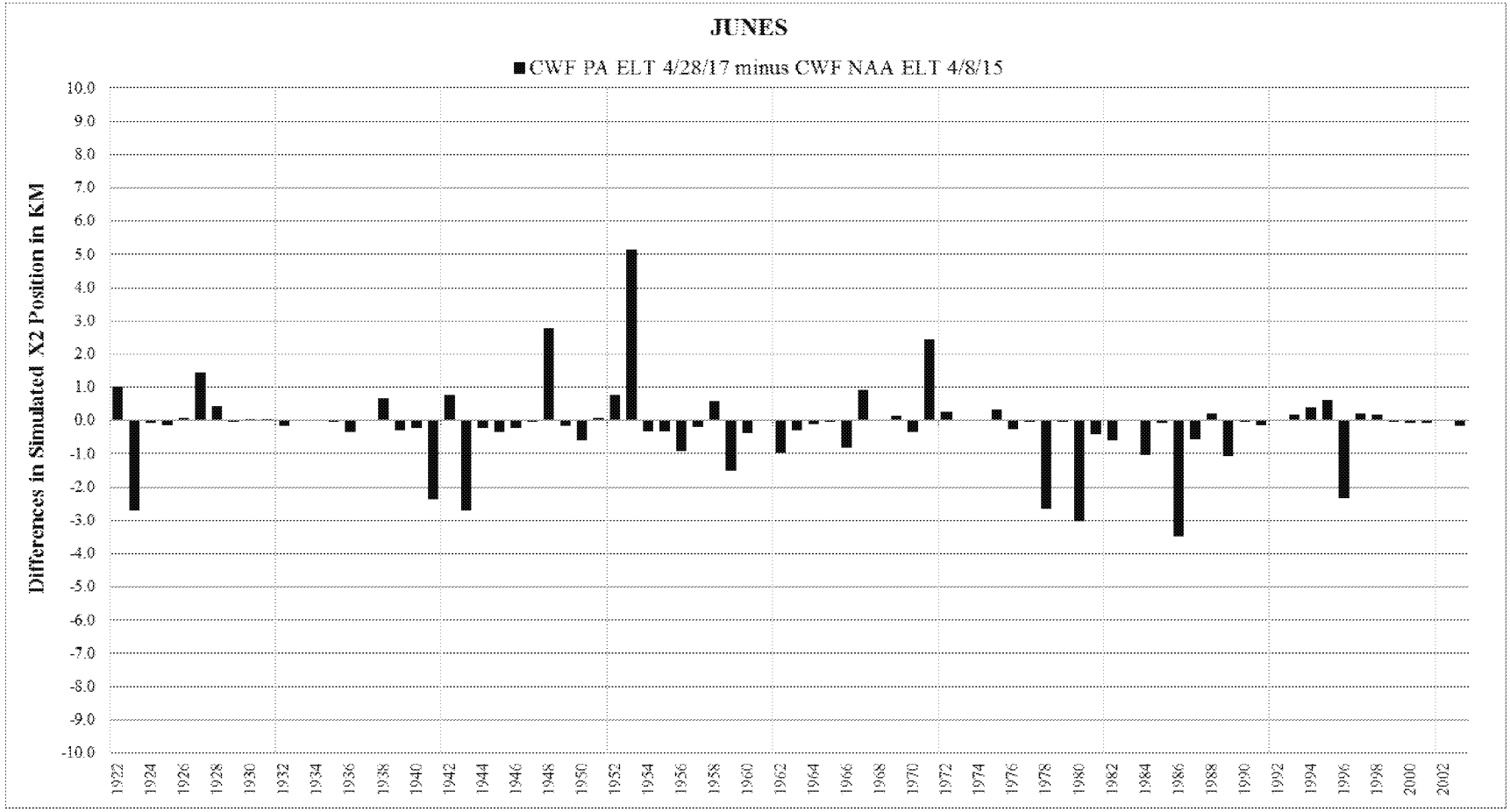


Figure B-22. Difference in the position of X2 in kilometer between the PA and the current projected baseline conditions (NAA) for all Junes based on 82 years of CalSim II modeling.

ED_002551_00001041-00512

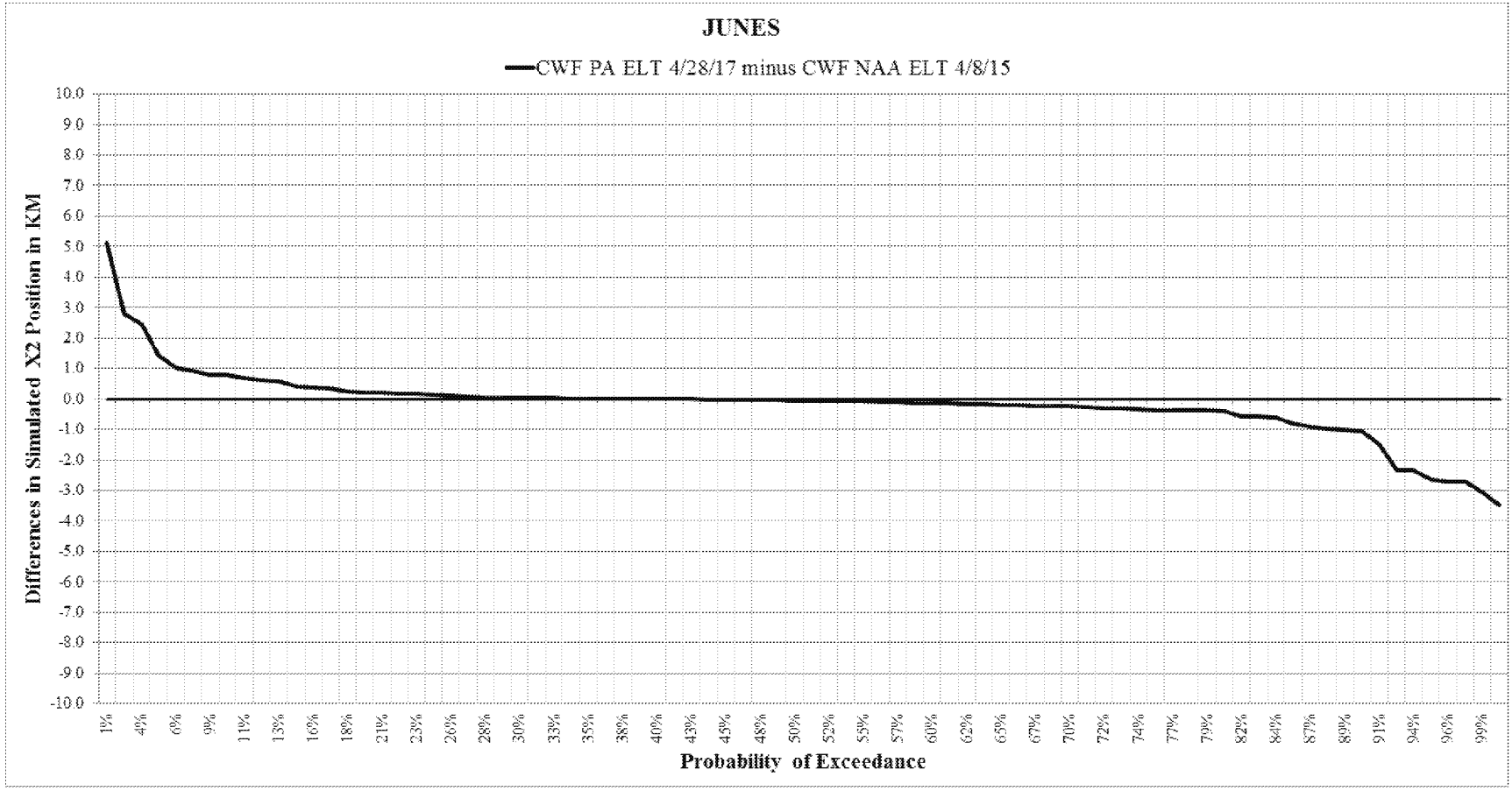
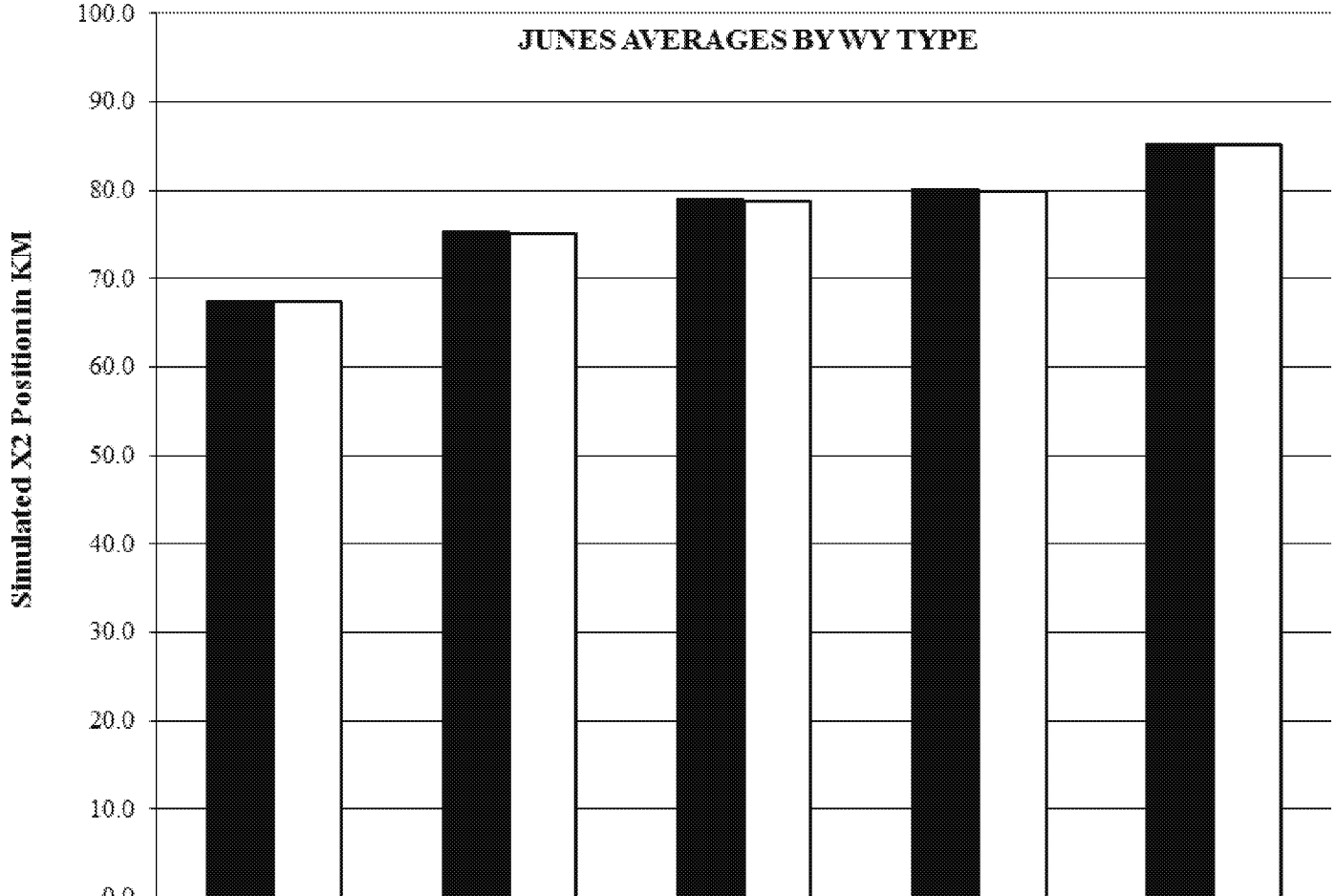


Figure B-23. Probability of exceedances of differences in simulated X2 position for all Junes based on 82 years of CalSim II modeling.

ED_002551_00001041-00513



	W (n = 26)	AN (n = 13)	BN (n = 11)	D (n = 20)	C (n = 12)
■ CWF NAA ELT CH20150408	67.4	75.4	79.1	80.1	85.2
□ CWF PA ELT CH20170428	67.4	75.1	78.7	79.9	85.2

Figure B-24. Simulated X2 position averaged by WY type for all Junes based on 82 years of CalSim II modeling.

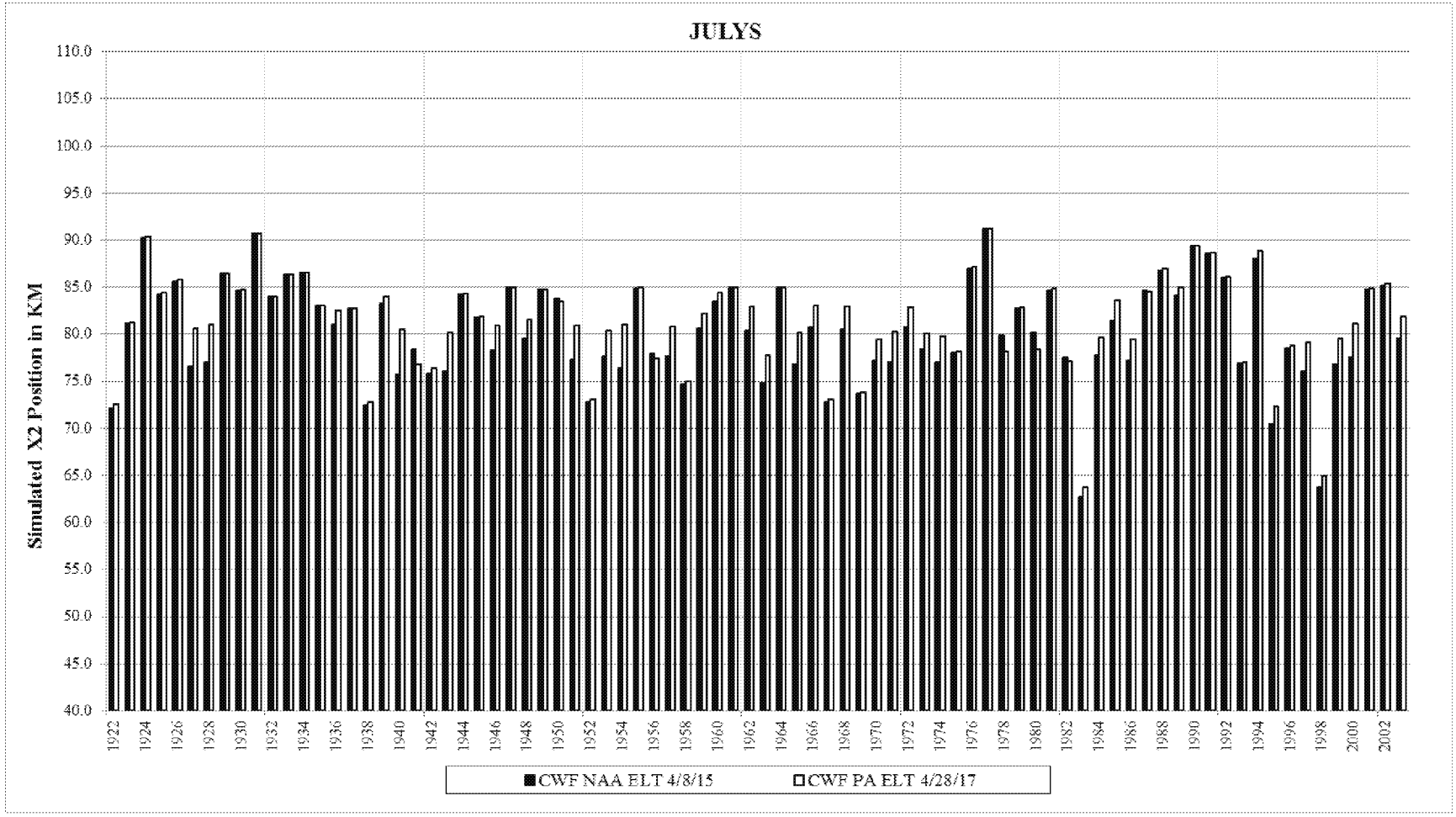


Figure B-25. 82 years of simulated X2 position in kilometers for all Julys based on 82 years of CalSim II modeling.

ED_002551_00001041-00515

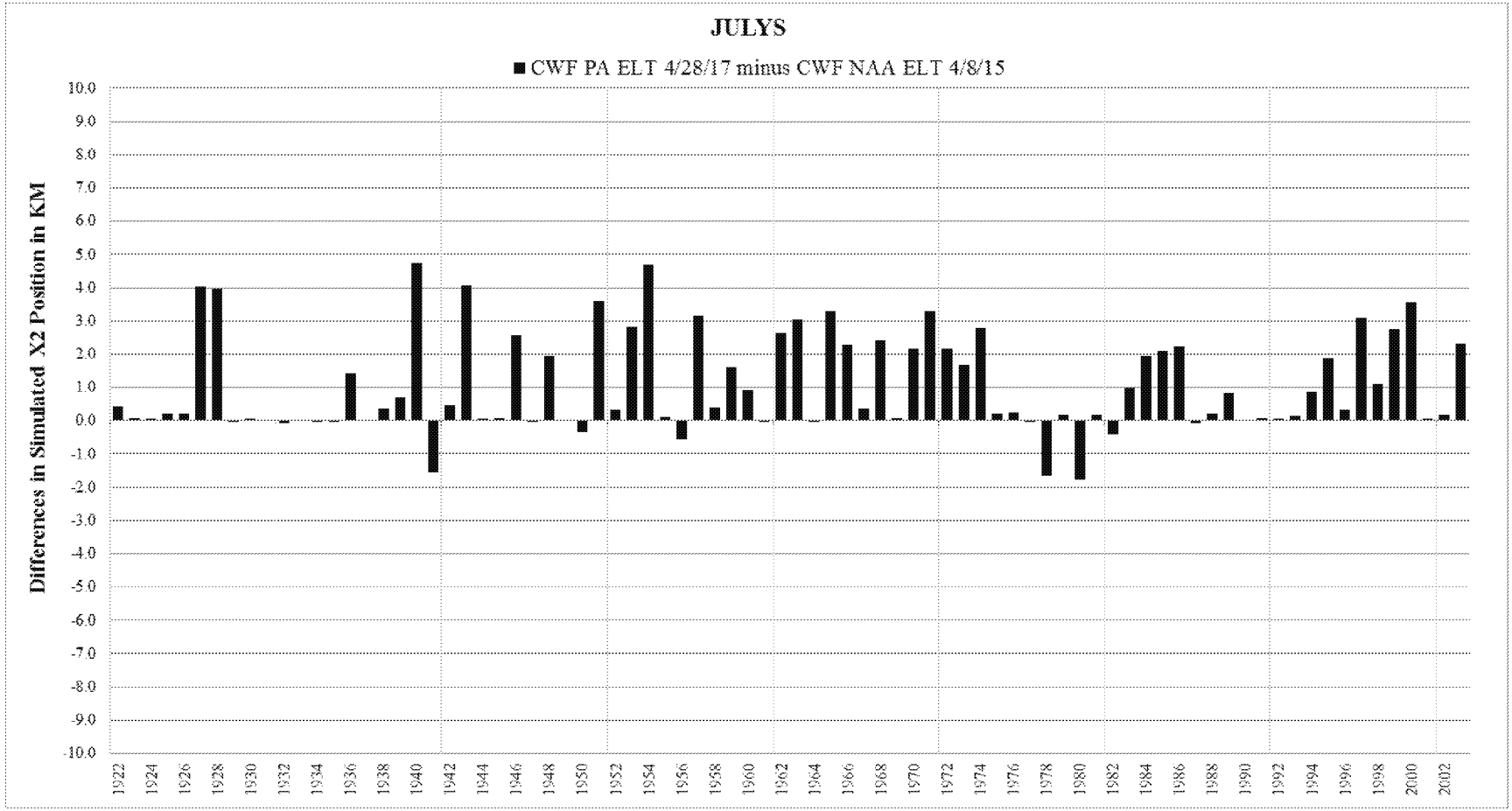


Figure B-26. Difference in the position of X2 in kilometer between the PA and the current projected baseline conditions (NAA) for all Julys based on 82 years of CalSim II modeling.

ED_002551_00001041-00516

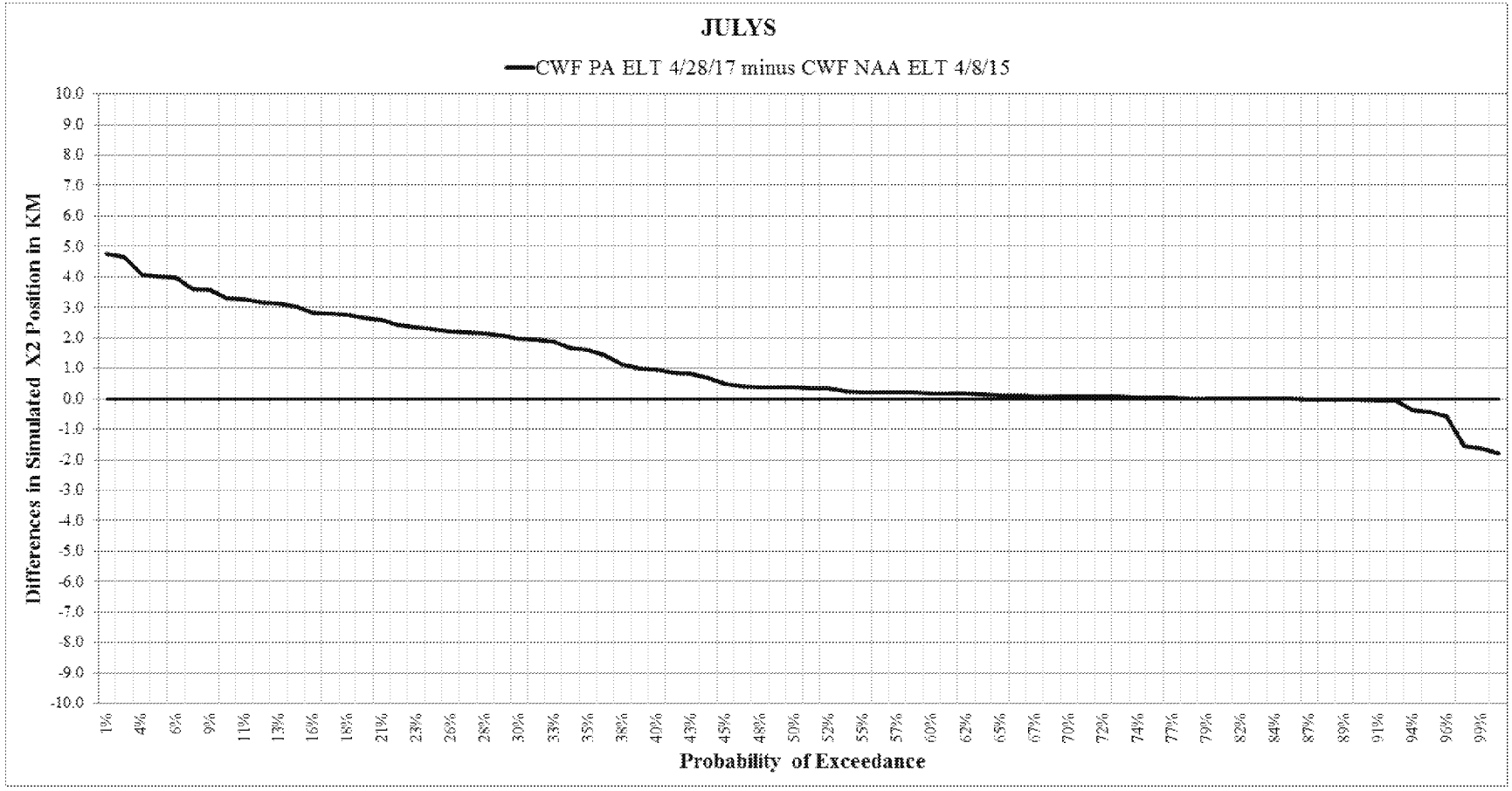
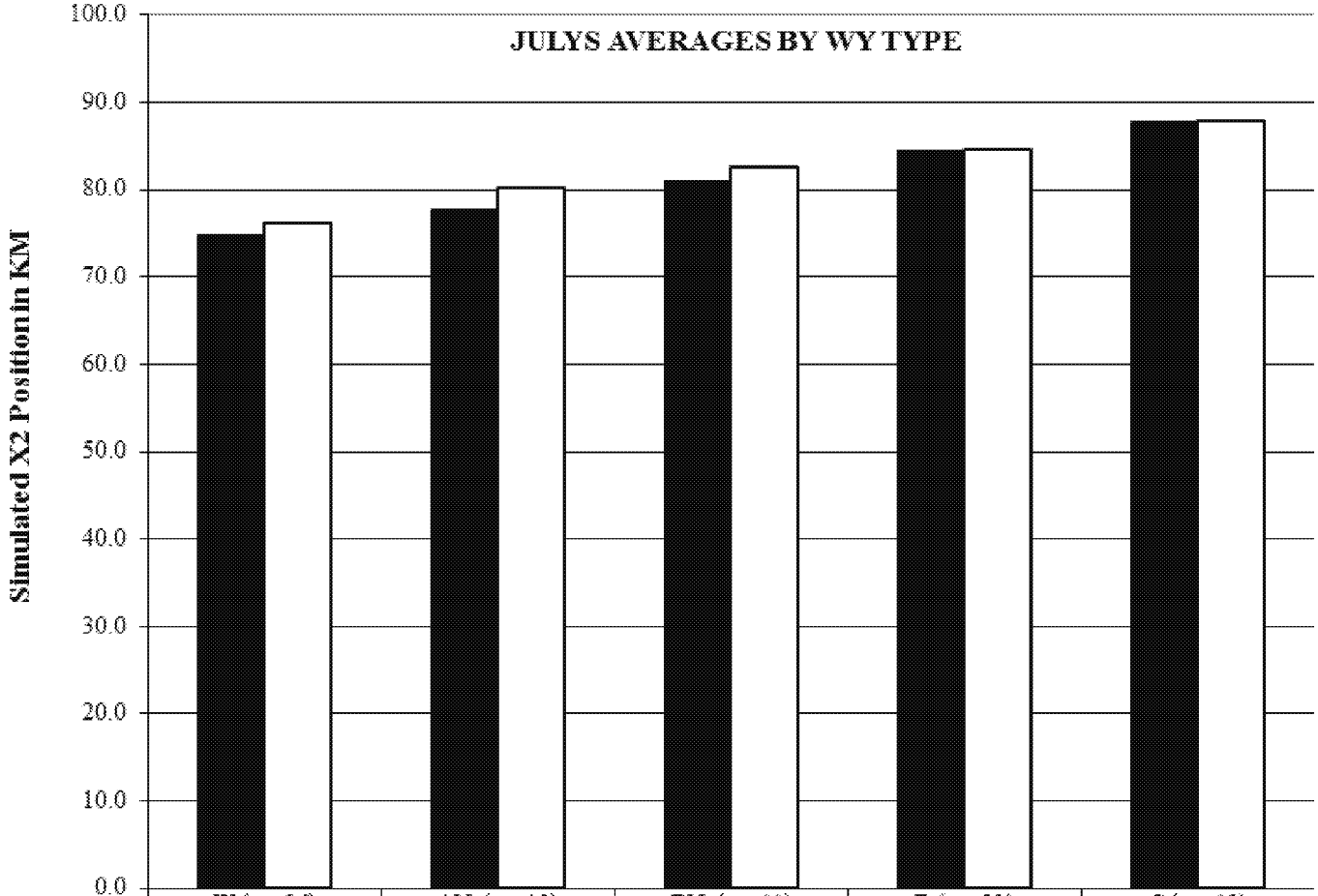


Figure B-27. Probability of exceedances of differences in simulated X2 position for all Julys based on 82 years of CalSim II modeling.

ED_002551_00001041-00517



	W (n = 26)	AN (n = 13)	BN (n = 11)	D (n = 20)	C (n = 12)
■ CWF NAA ELT CH20150408	74.9	77.8	81.0	84.5	87.9
□ CWF PA ELT CH20170428	76.2	80.2	82.6	84.6	88.0

Figure B-28. Simulated X2 position averaged by WY type for all Julys based on 82 years of CalSim II modeling.

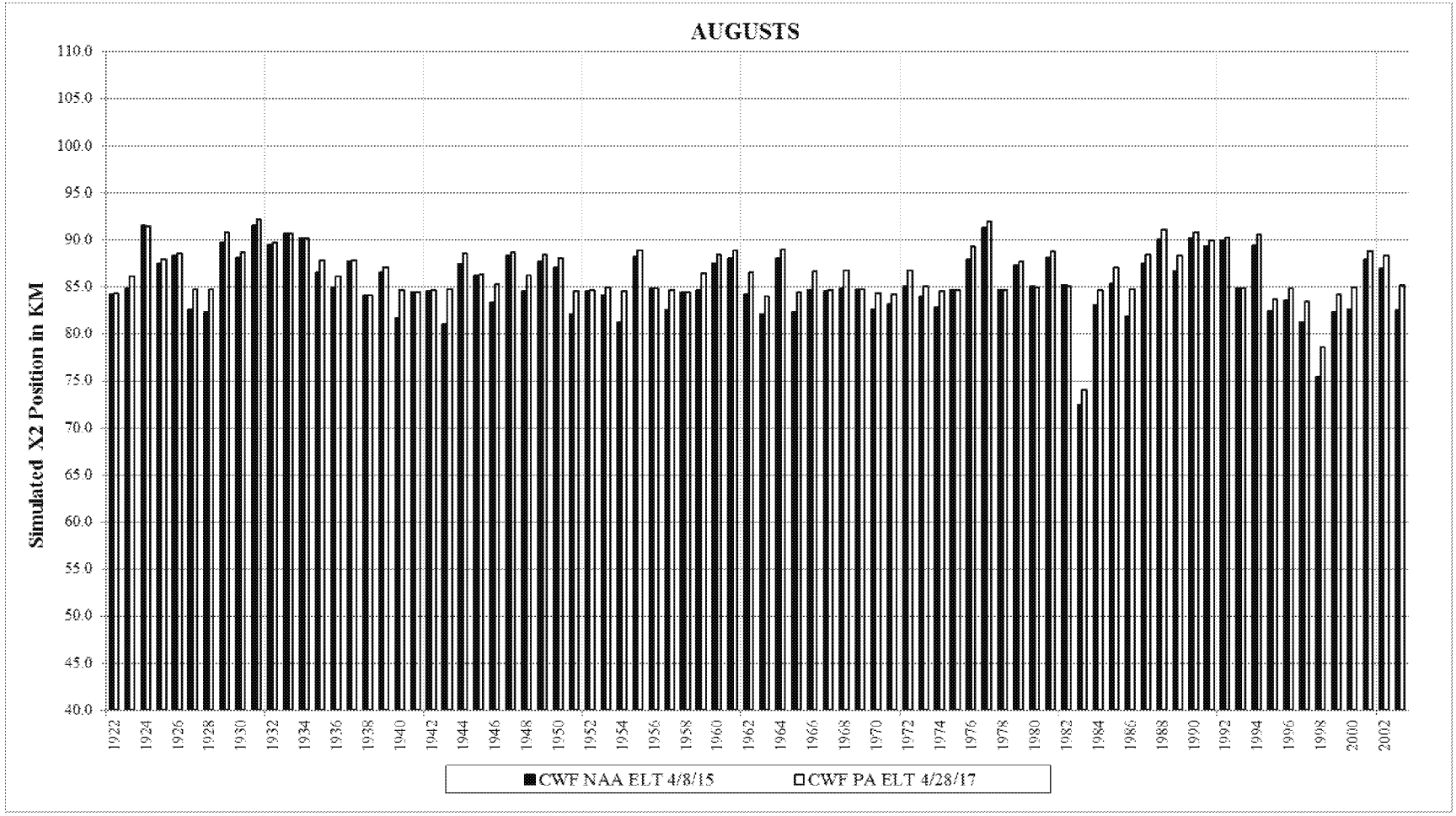


Figure B-29. 82 years of simulated X2 position in kilometers for all Augusts based on 82 years of CalSim II modeling.

ED_002551_00001041-00519

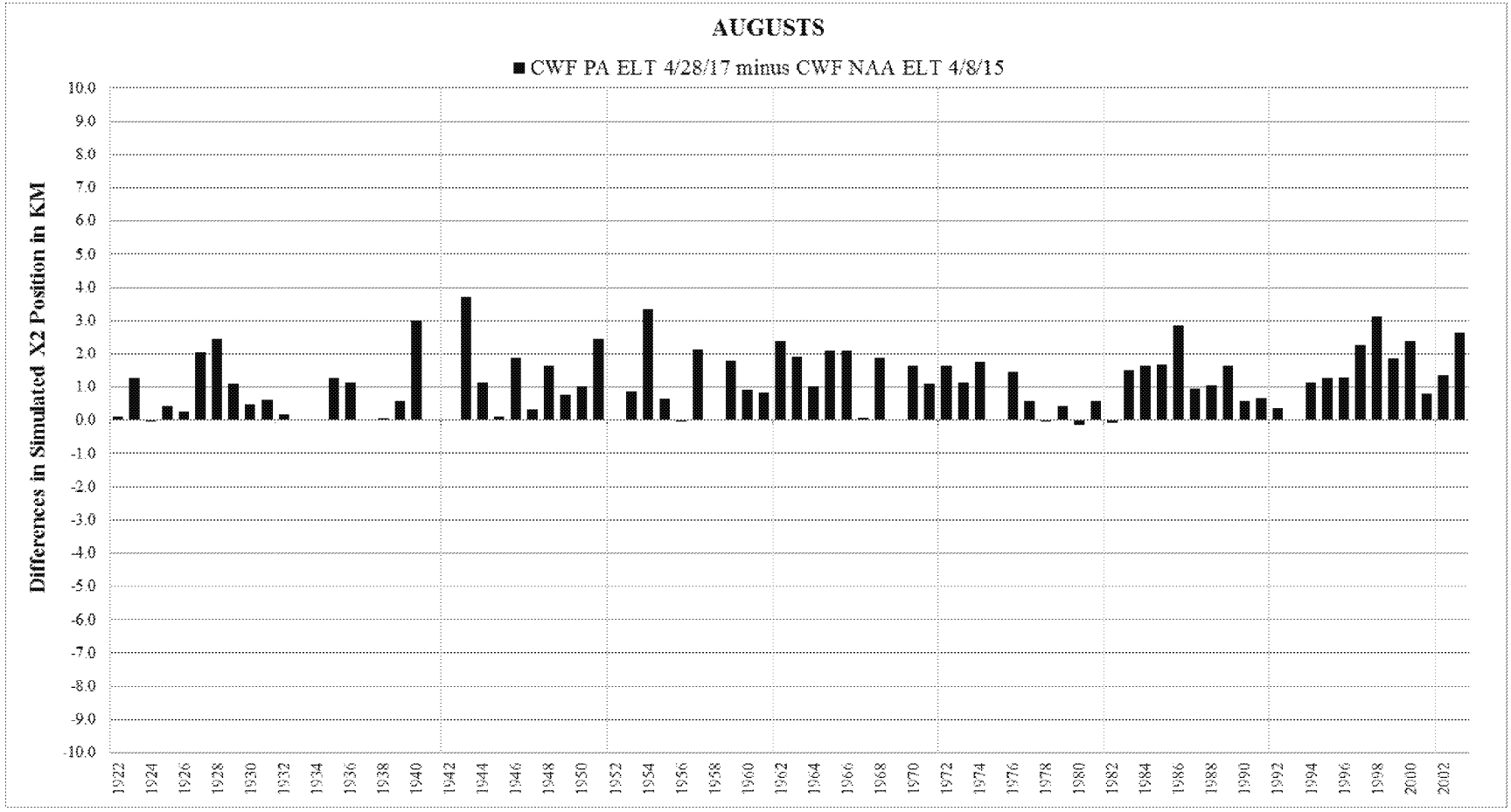


Figure B-30. Difference in the position of X2 in kilometer between the PA and the current projected baseline conditions (NAA) for all Augusts based on 82 years of CalSim II modeling.

ED_002551_00001041-00520

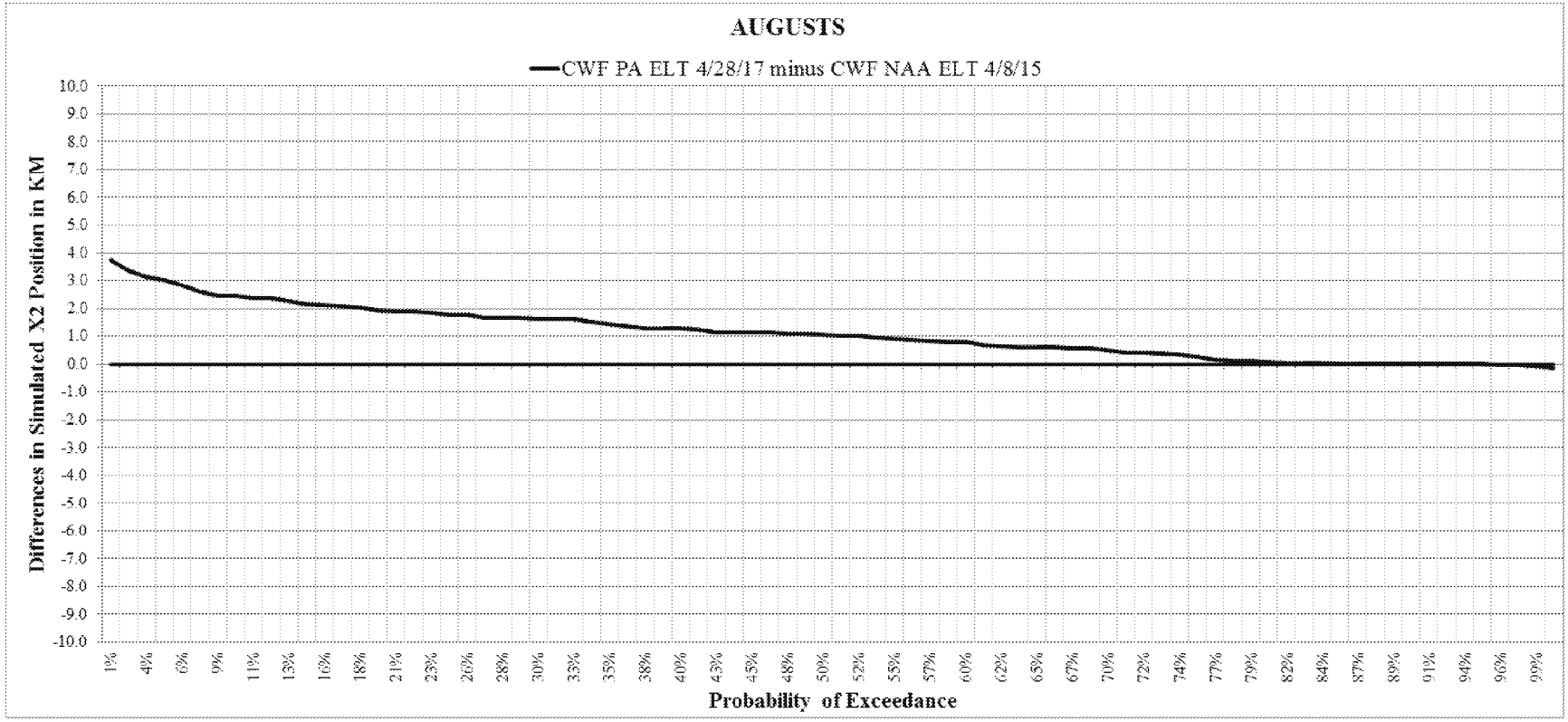
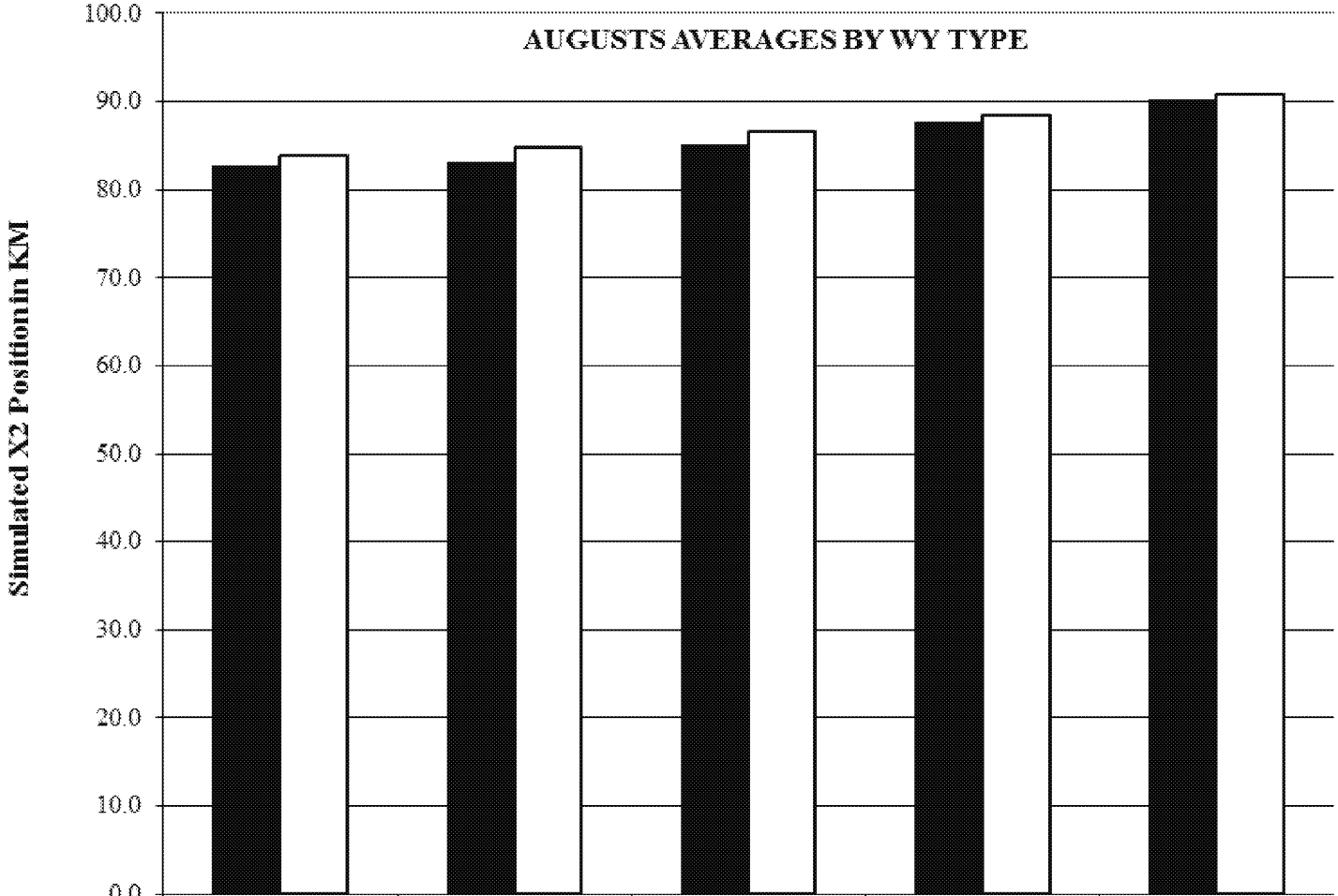


Figure B-31. Probability of exceedances of differences in simulated X2 position for all Augusts based on 82 years of CalSim II modeling.

ED_002551_00001041-00521



	W (n = 26)	AN (n = 13)	BN (n = 11)	D (n = 20)	C (n = 12)
■ CWF NAA ELT CH20150408	82.7	83.0	85.1	87.7	90.3
□ CWF PA ELT CH20170428	83.9	84.8	86.6	88.5	90.8

Figure B-32. Simulated X2 position averaged by WY type for all Augusts based on 82 years of CalSim II modeling.

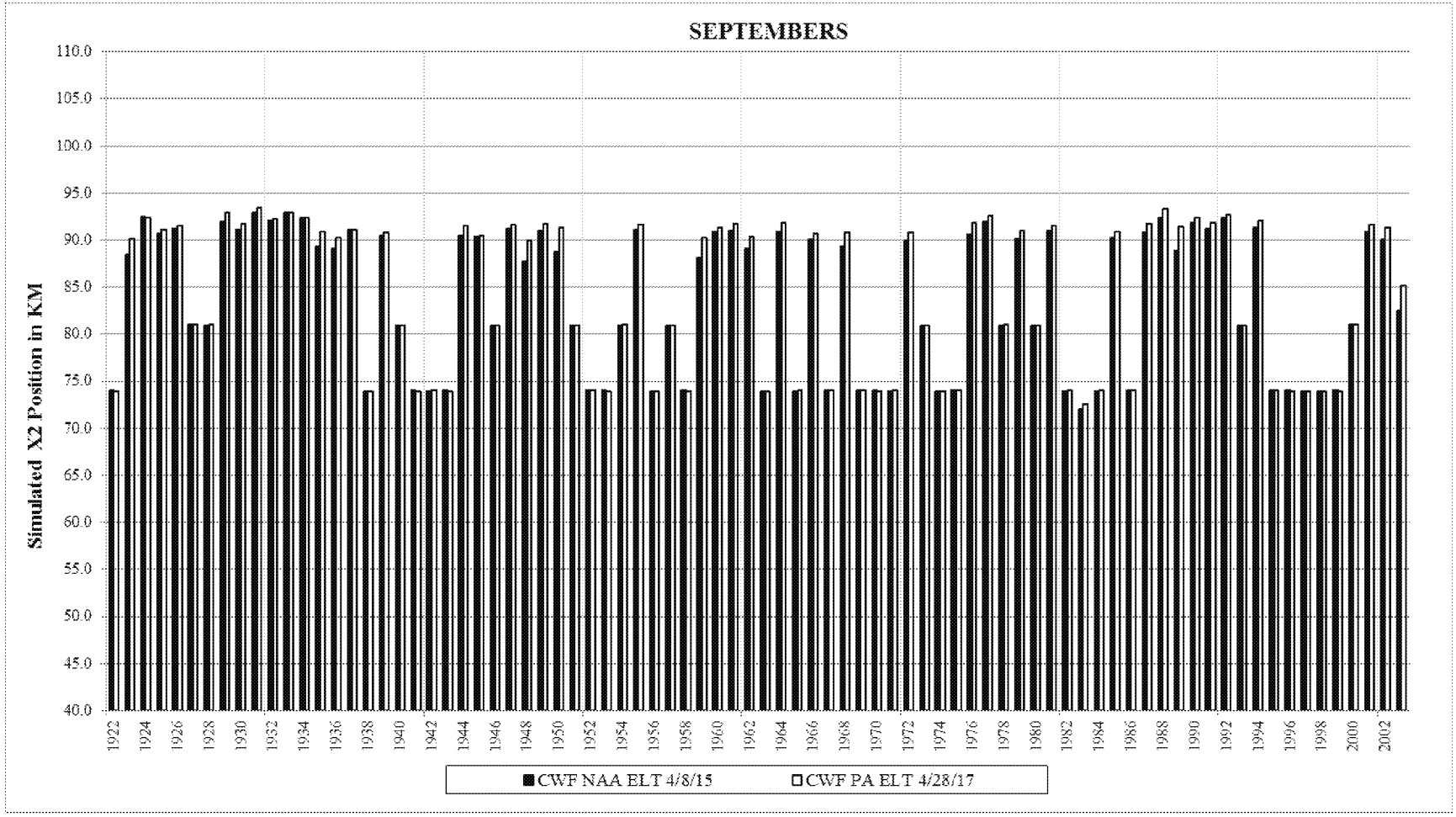


Figure B-33. 82 years of simulated X2 position in kilometers for all Septembers based on 82 years of CalSim II modeling.

ED_002551_00001041-00523

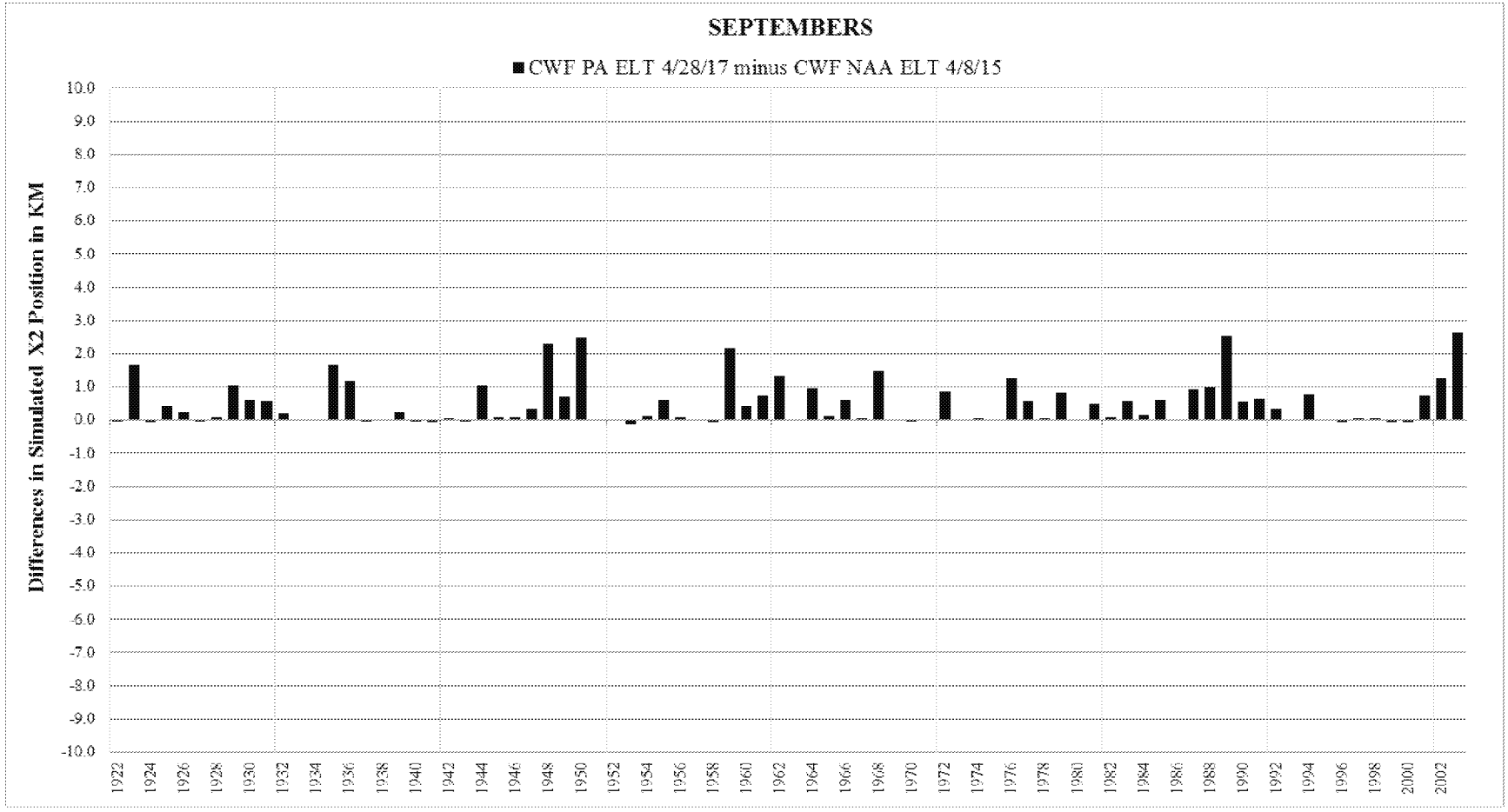


Figure B-34. Difference in the position of X2 in kilometer between the PA and the current projected baseline conditions (NAA) for all Septembers based on 82 years of CalSim II modeling.

ED_002551_00001041-00524

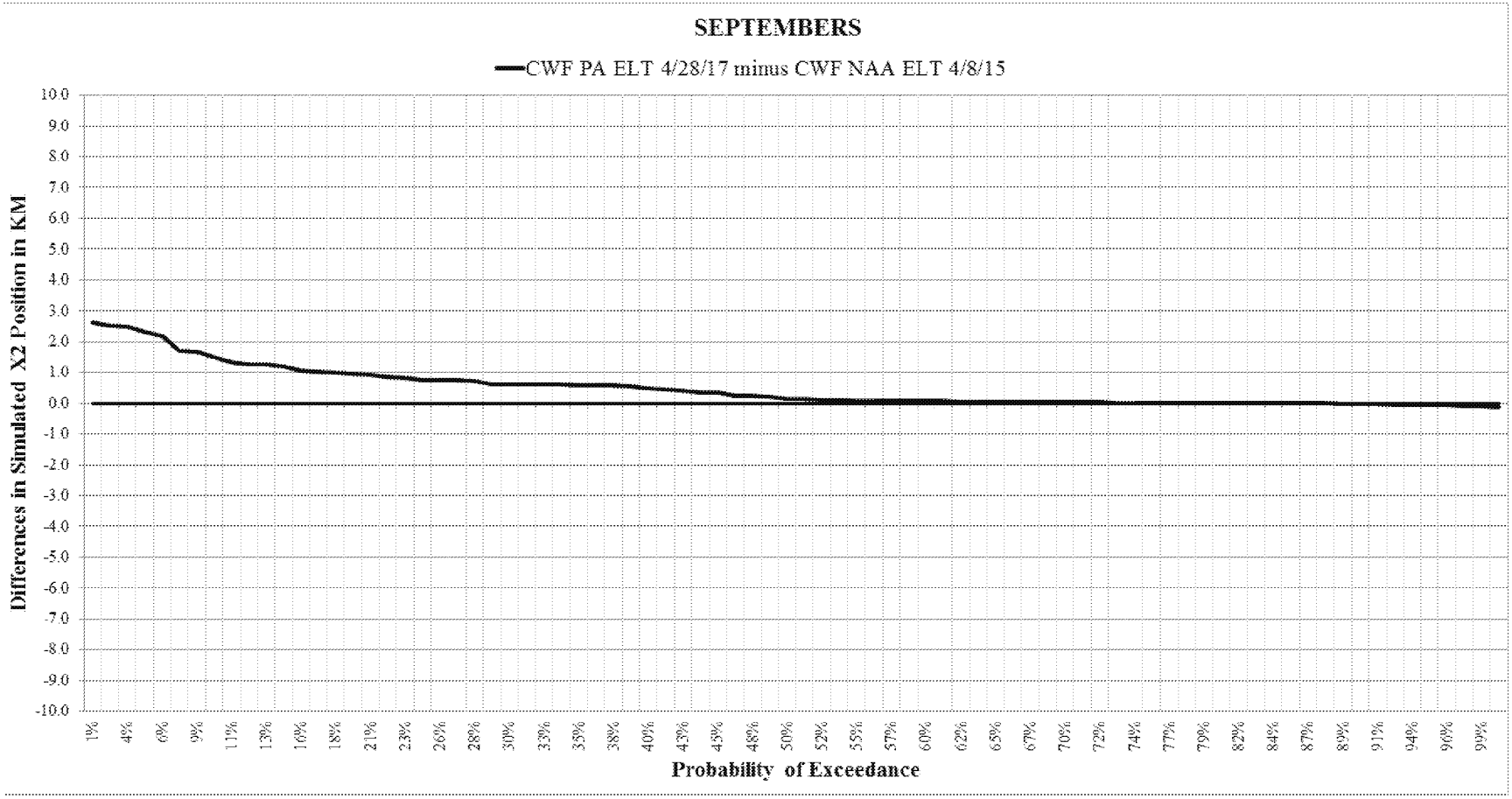
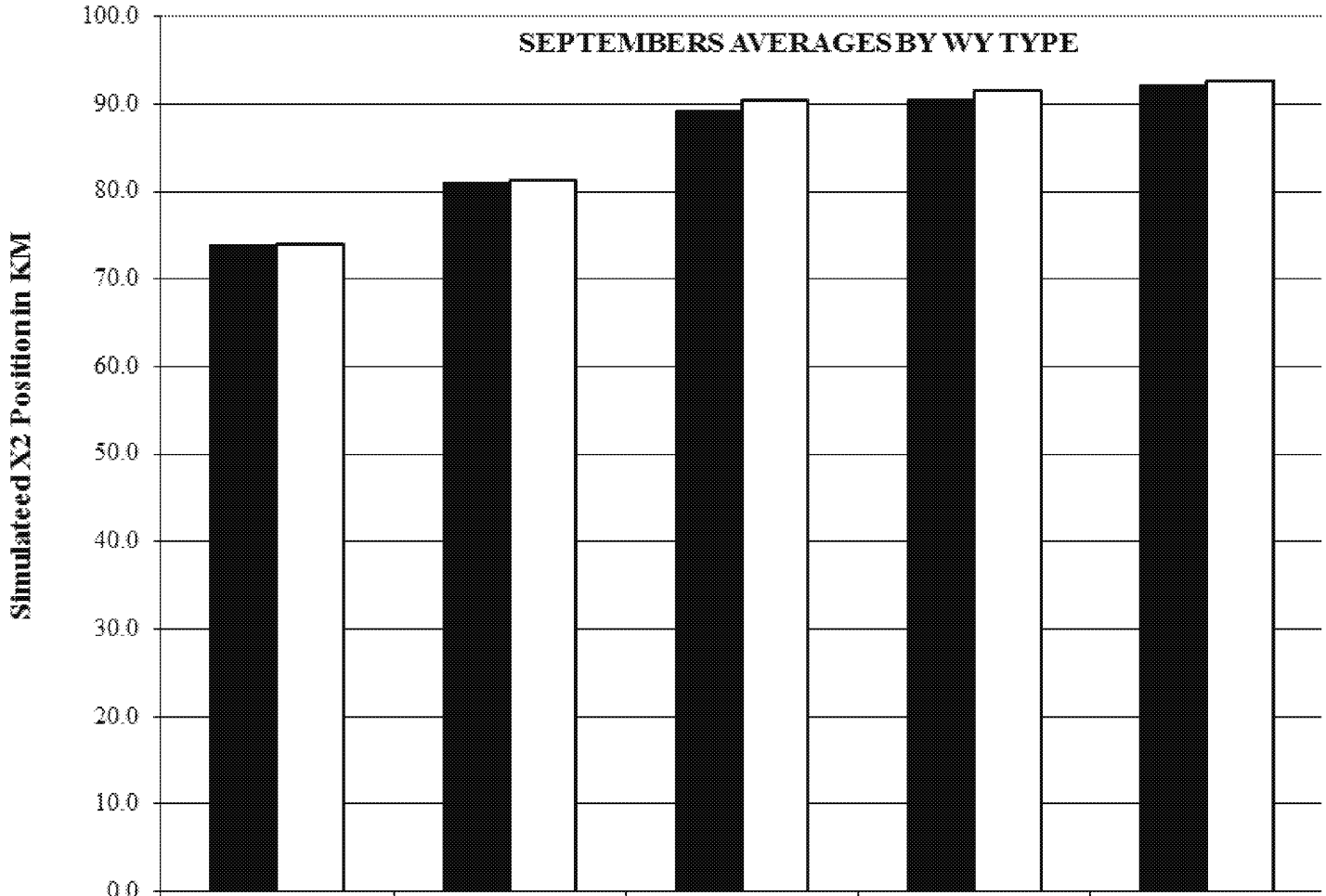


Figure B-35. Probability of exceedances of differences in simulated X2 position for all Septembers based on 82 years of CalSim II modeling.

ED_002551_00001041-00525



	W (n = 26)	AN (n = 13)	BN (n = 11)	D (n = 20)	C (n = 12)
■ CWF NAA ELT CH20150408	73.9	81.1	89.4	90.6	92.1
□ CWF PA ELT CH20170428	74.0	81.3	90.5	91.5	92.6

Figure B-36. Simulated X2 position averaged by WY type for all Septembers based on 82 years of CalSim II modeling.

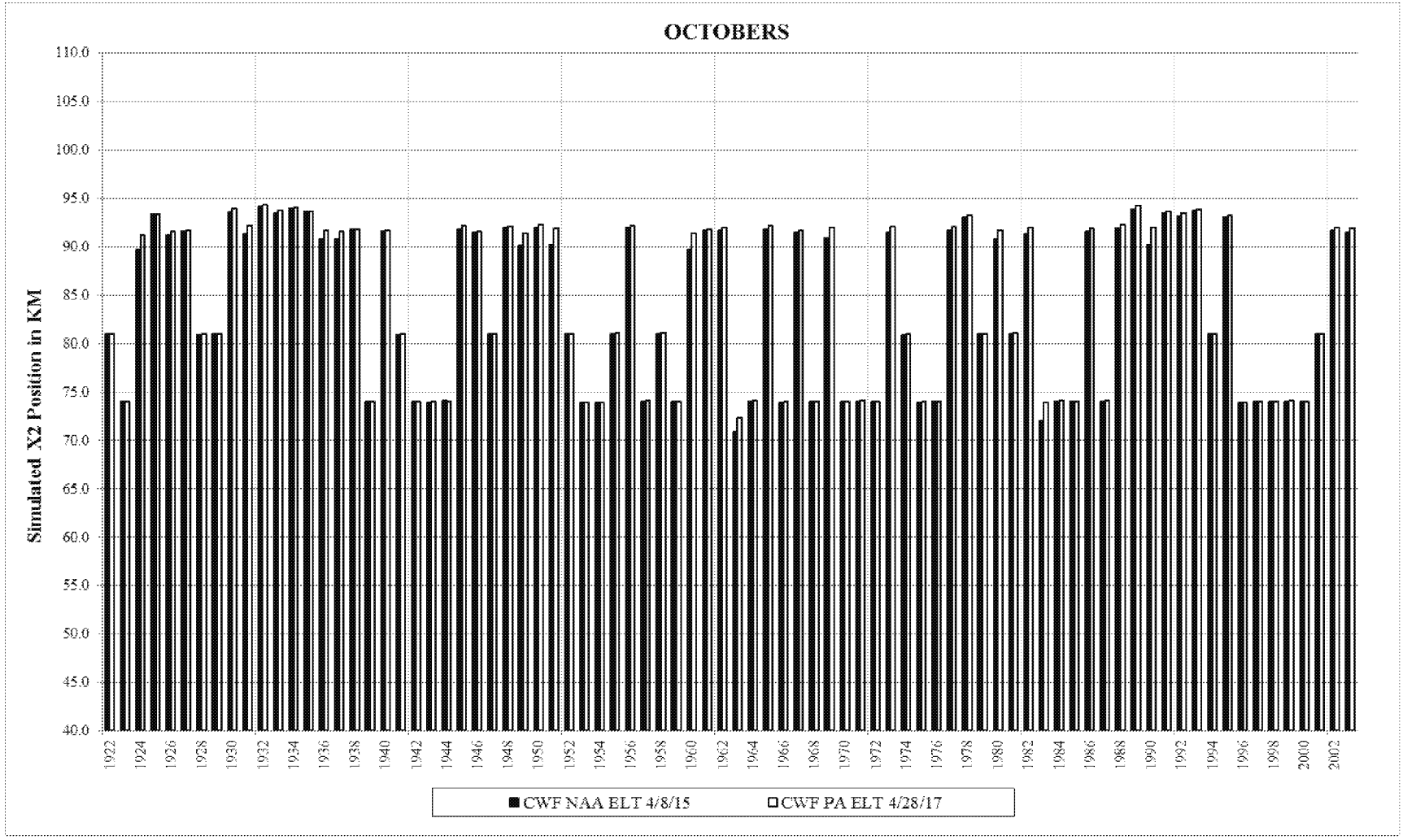


Figure B-37. 82 years of simulated X2 position in kilometers for all Octobers based on 82 years of CalSim II modeling.

ED_002551_00001041-00527

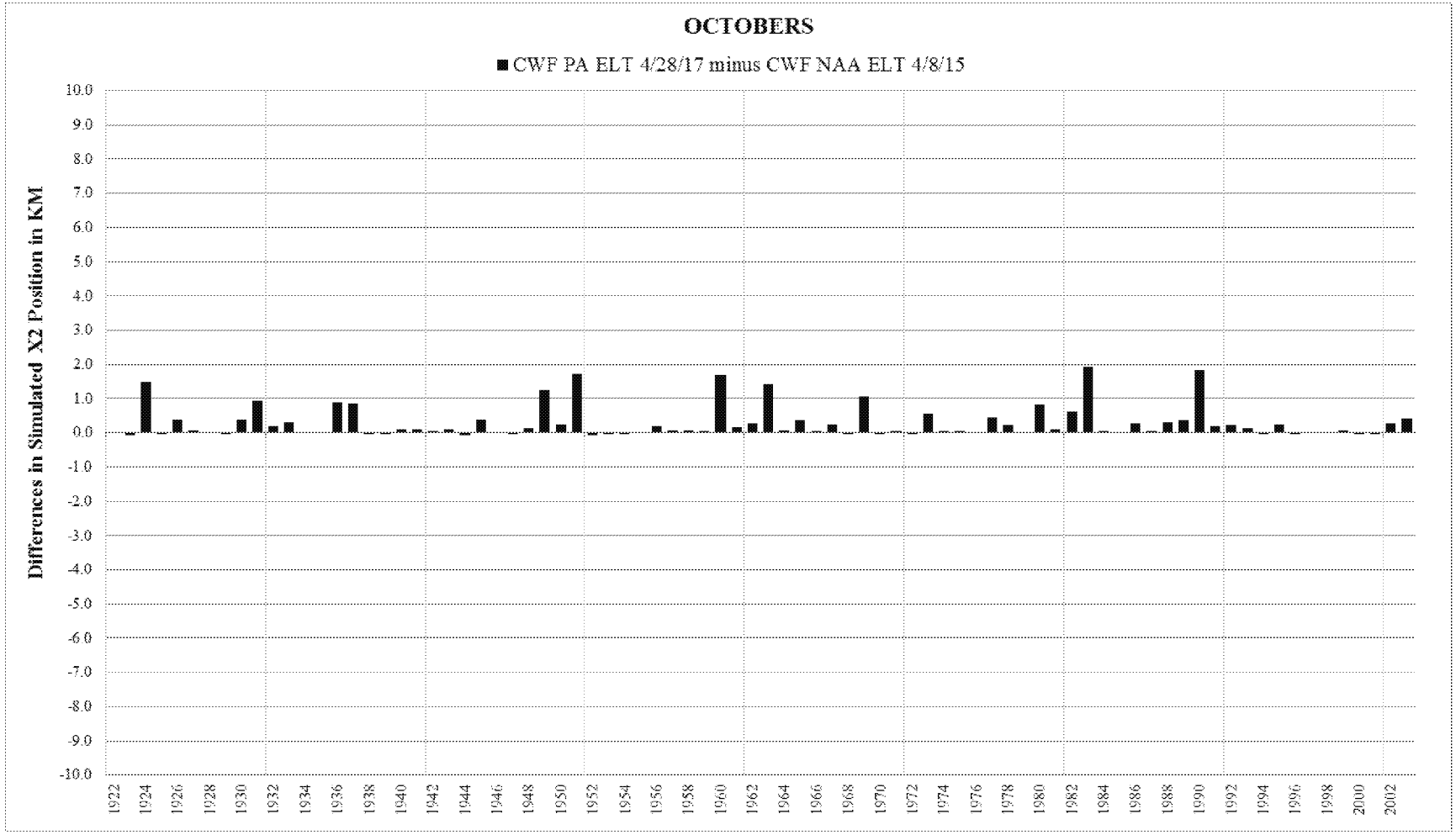


Figure B-38. Difference in the position of X2 in kilometer between the PA and the current projected baseline conditions (NAA) for all Octobers based on 82 years of CalSim II modeling.

ED_002551_00001041-00528

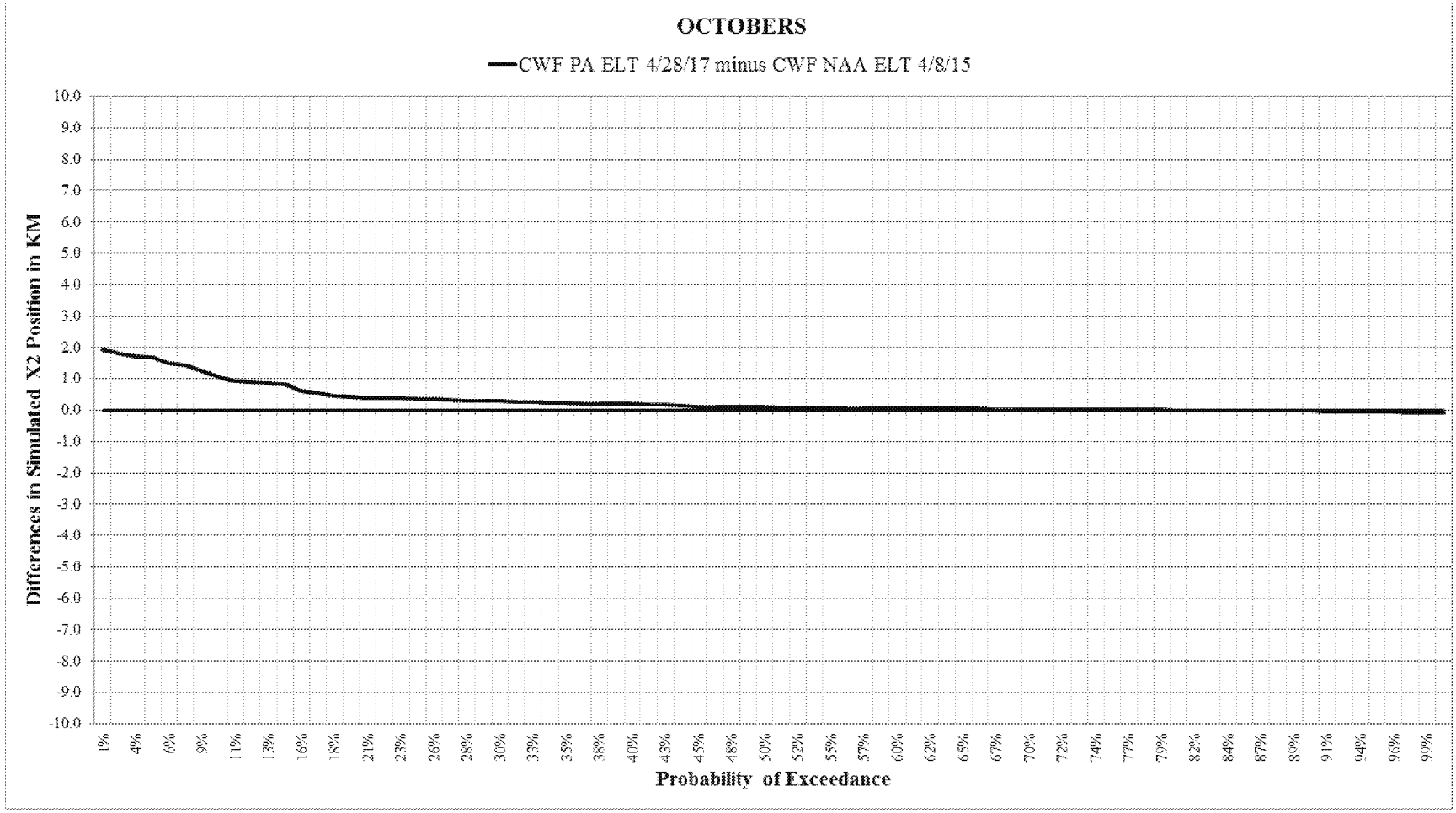
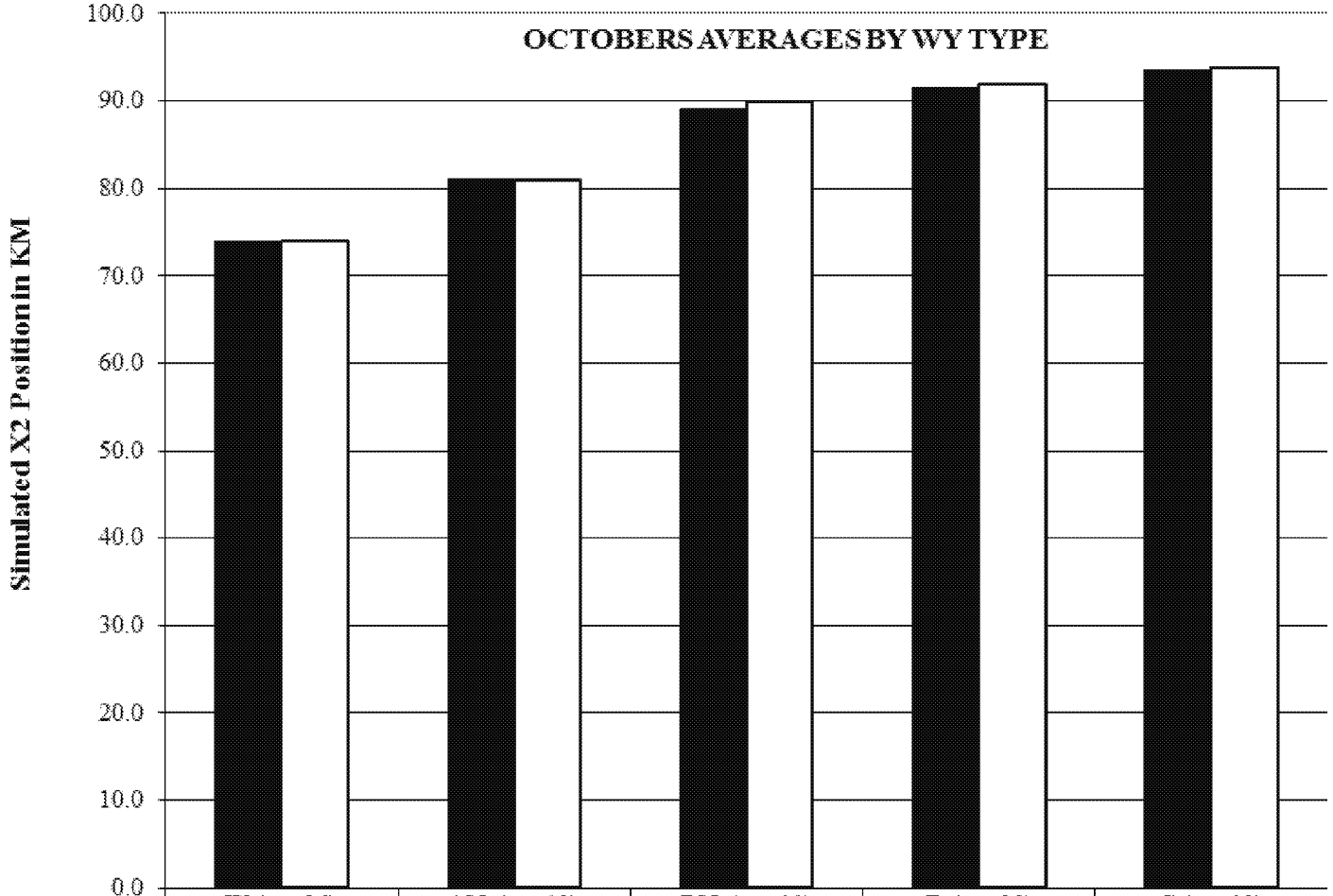


Figure B-39. Probability of exceedances of differences in simulated X2 position for all Octobers based on 82 years of CalSim II modeling.

ED_002551_00001041-00529



	W (n = 26)	AN (n = 13)	BN (n = 11)	D (n = 20)	C (n = 12)
■CWF NAA ELT CH20150408	73.9	81.0	89.1	91.5	93.6
□CWF PA ELT CH20170428	74.0	81.0	89.9	92.0	93.7

Figure B-40. Simulated X2 position averaged by WY type for all Octobers based on 82 years of CalSim II modeling.

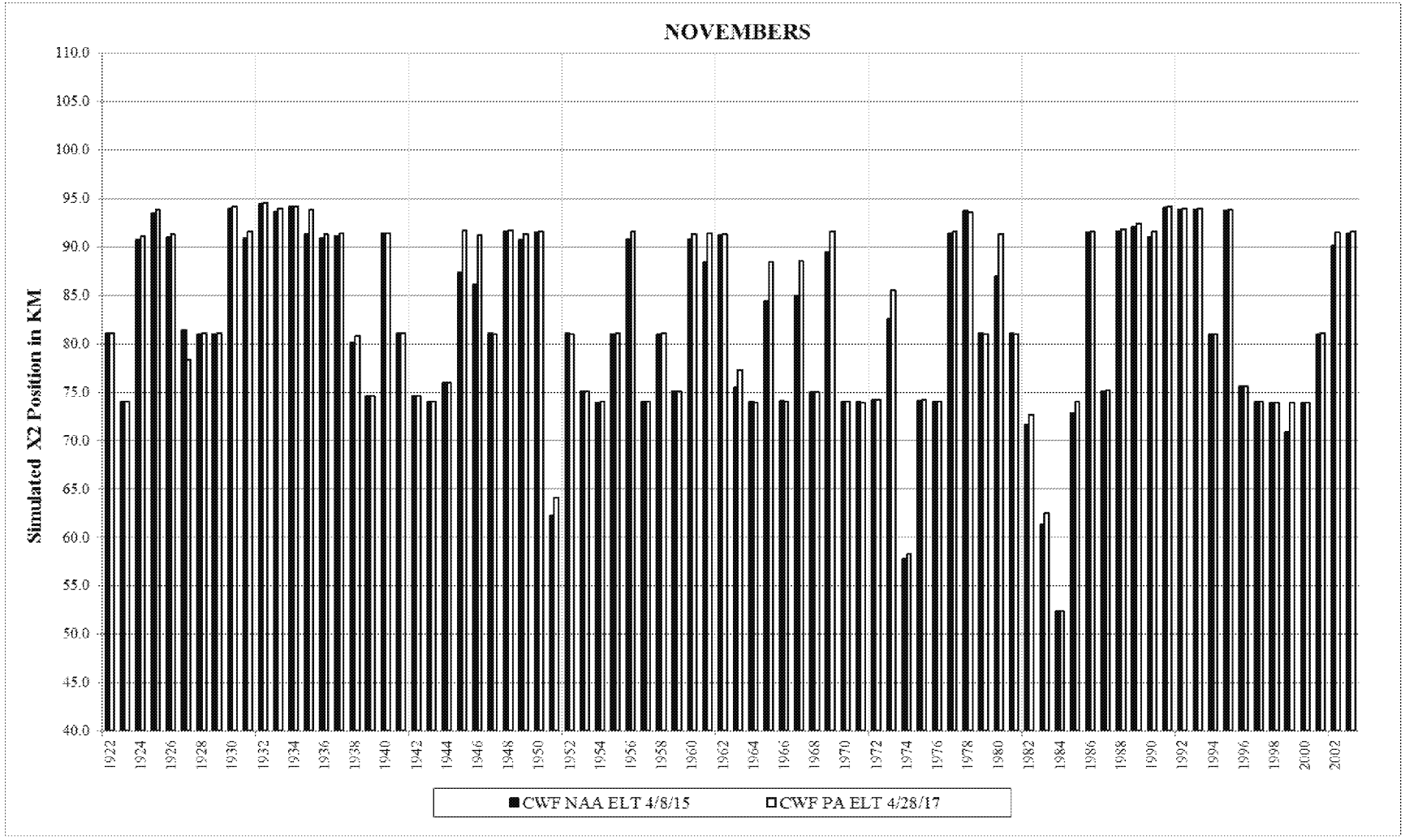


Figure B-41. 82 years of simulated X2 position in kilometers for all Novembers based on 82 years of CalSim II modeling.

ED_002551_00001041-00531

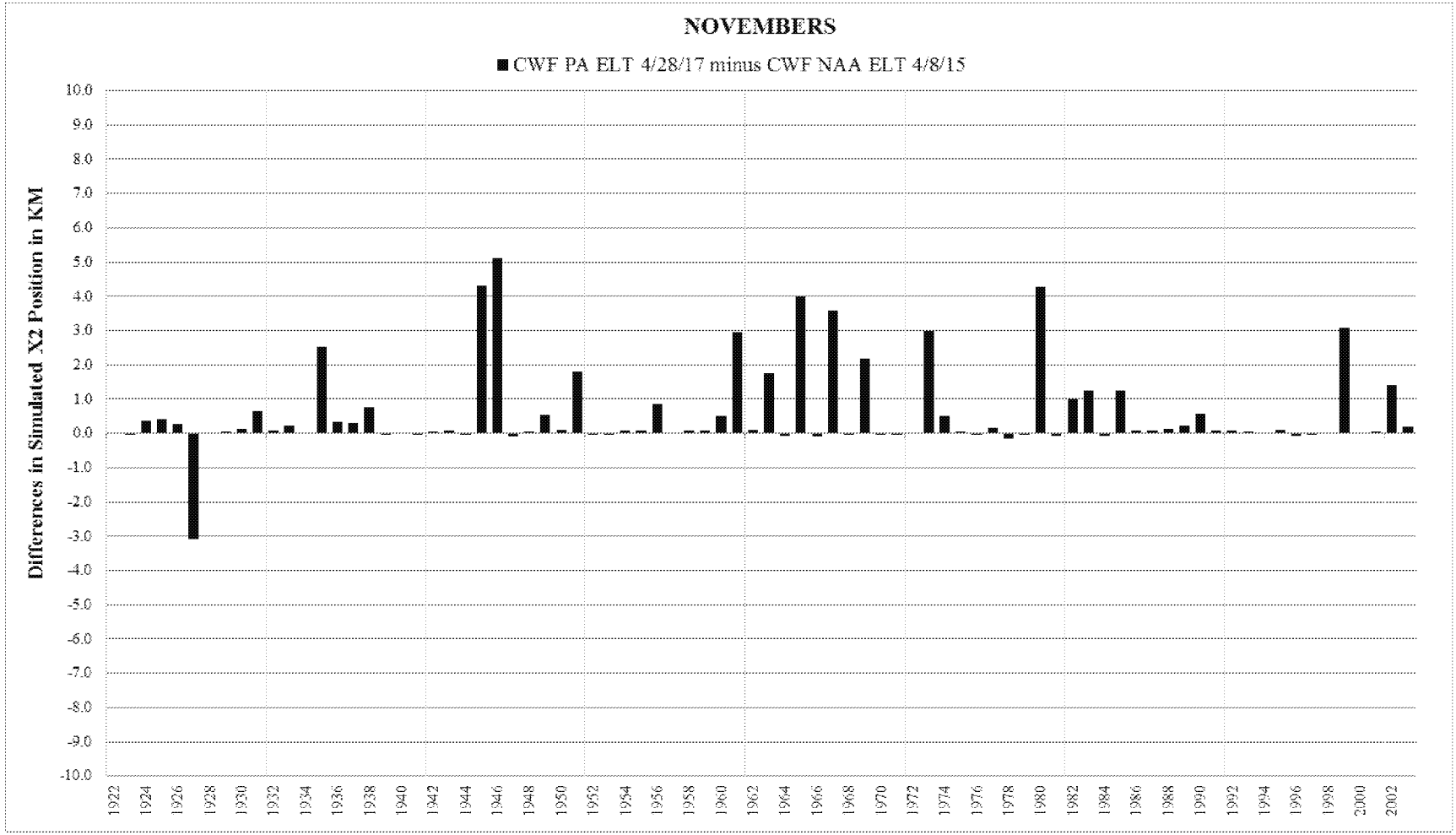


Figure B-42. Difference in the position of X2 in kilometer between the PA and the current projected baseline conditions (NAA) for all Novembers based on 82 years of CalSim II modeling.

ED_002551_00001041-00532

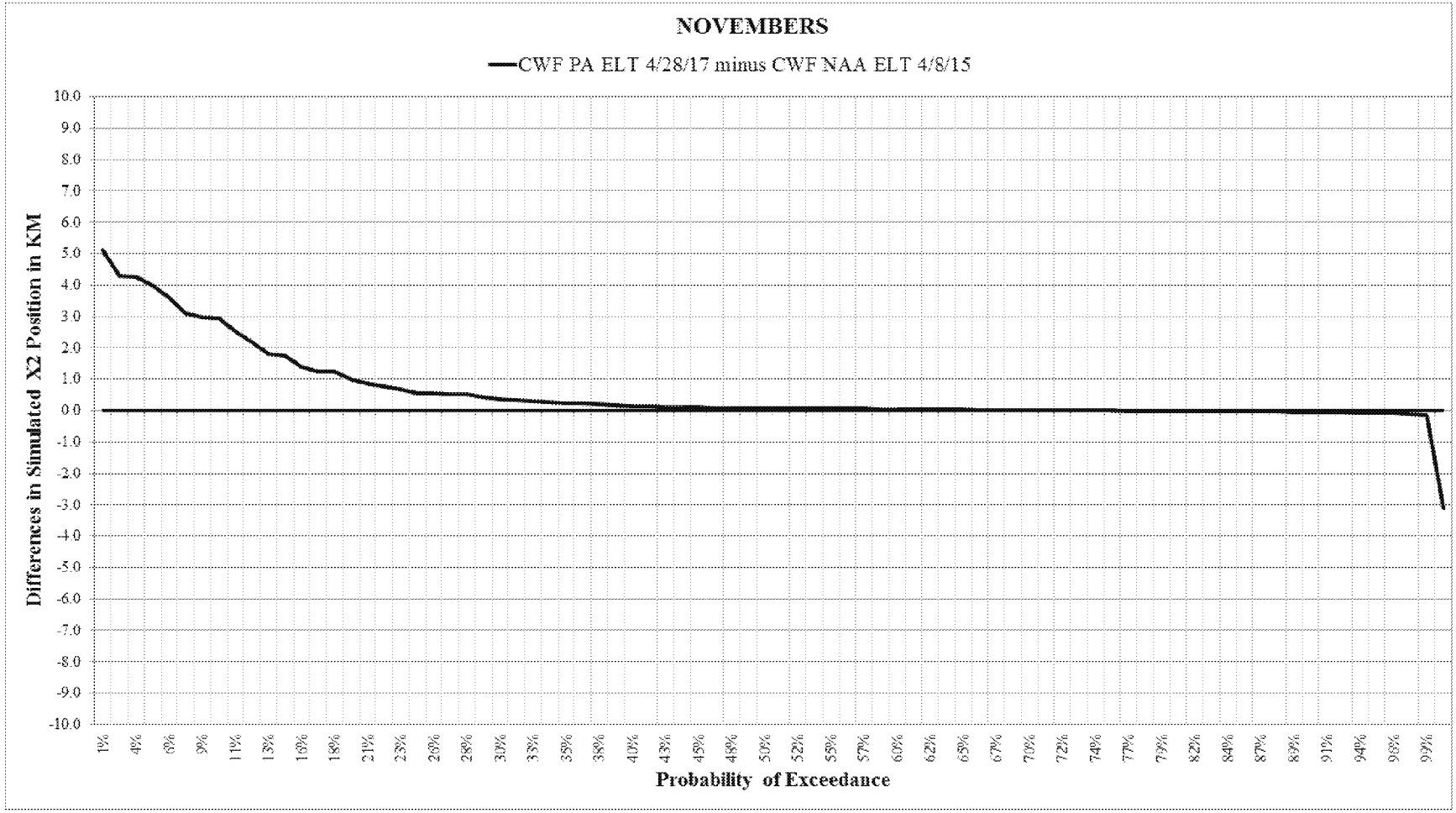
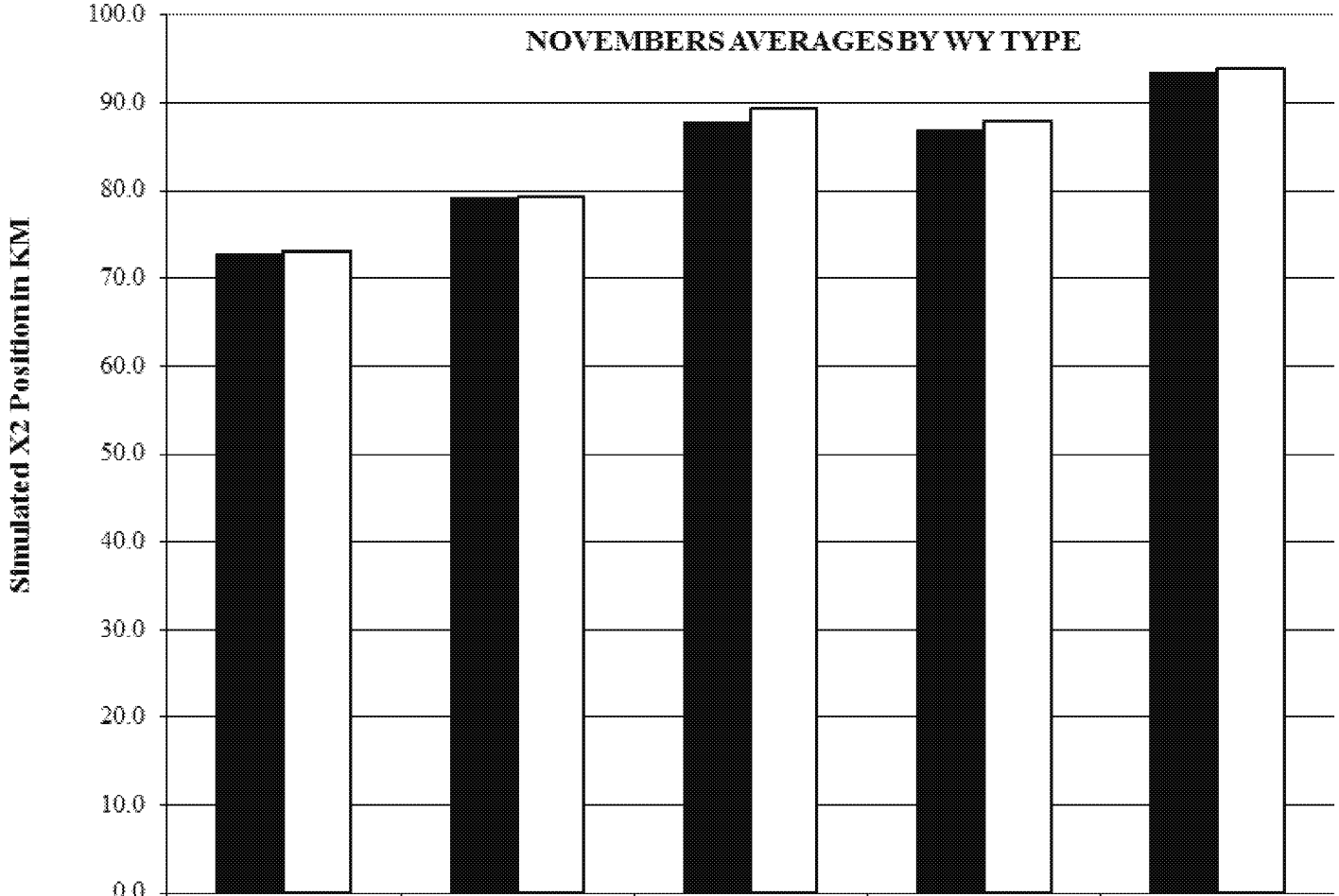


Figure B-43. Probability of exceedances of differences in simulated X2 position for all Novembers based on 82 years of CalSim II modeling.

ED_002551_00001041-00533



	W (n = 26)	AN (n = 13)	BN (n = 11)	D (n = 20)	C (n = 12)
■ CWF NAA ELT CH20150408	72.9	79.3	87.7	86.8	93.5
□ CWF PA ELT CH20170428	73.1	79.3	89.3	87.9	93.9

Figure B-44. Simulated X2 position averaged by WY type for all Novembers based on 82 years of CalSim II modeling.

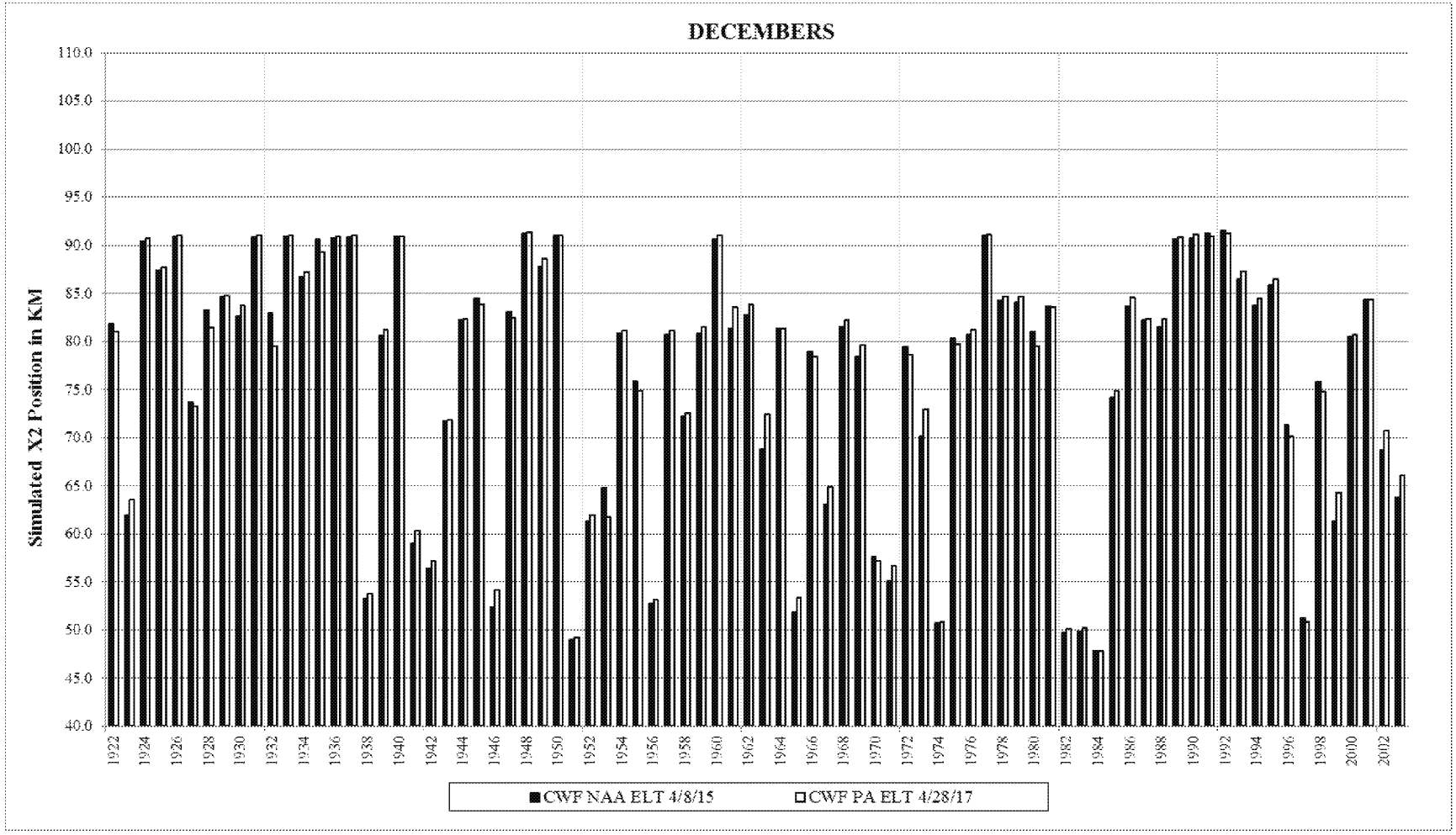


Figure B-45. 82 years of simulated X2 position in kilometers for all Decembers based on 82 years of CalSim II modeling.

ED_002551_00001041-00535

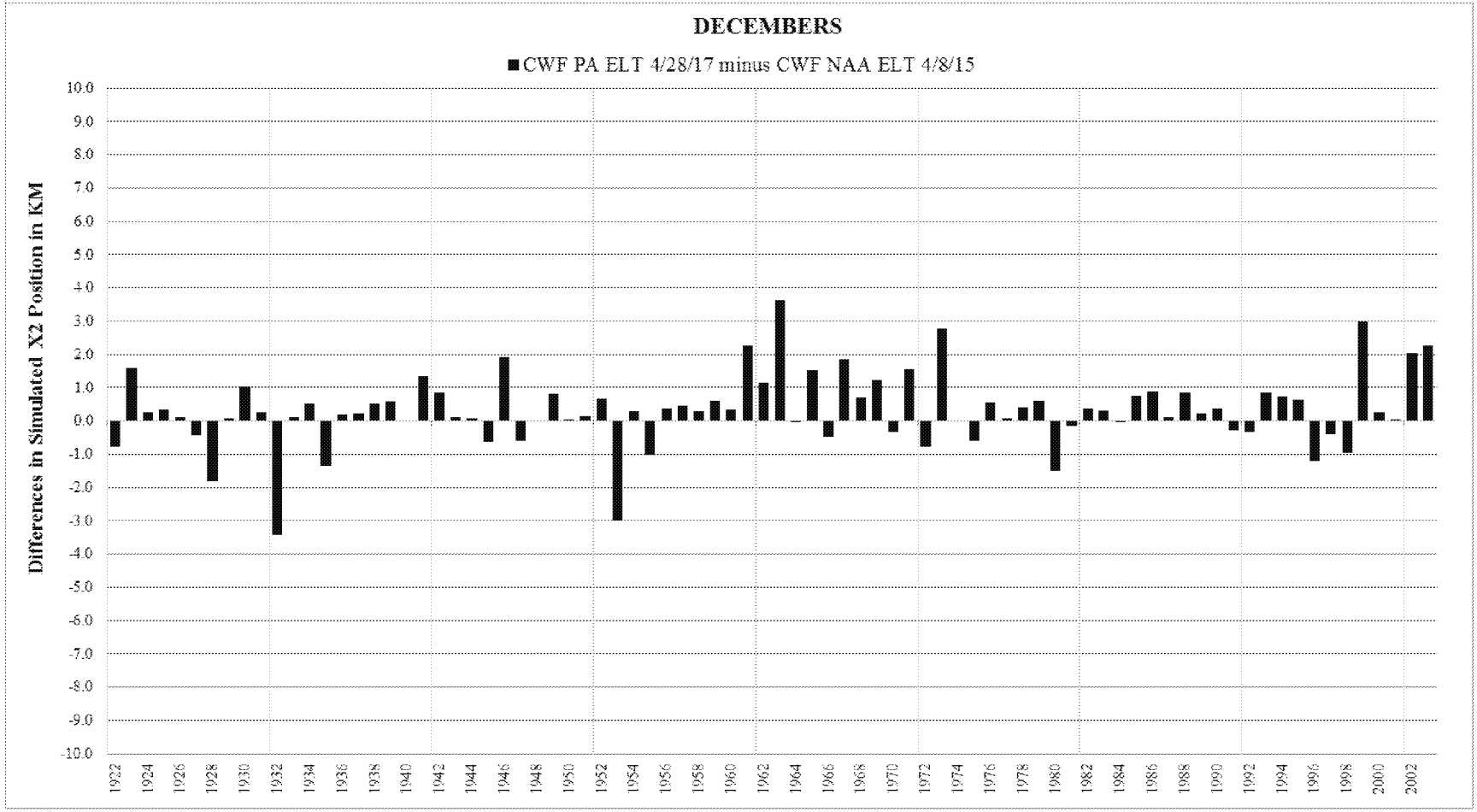


Figure B-46. Difference in the position of X2 in kilometer between the PA and the current projected baseline conditions (NAA) for all Decembers based on 82 years of CalSim II modeling.

ED_002551_00001041-00536

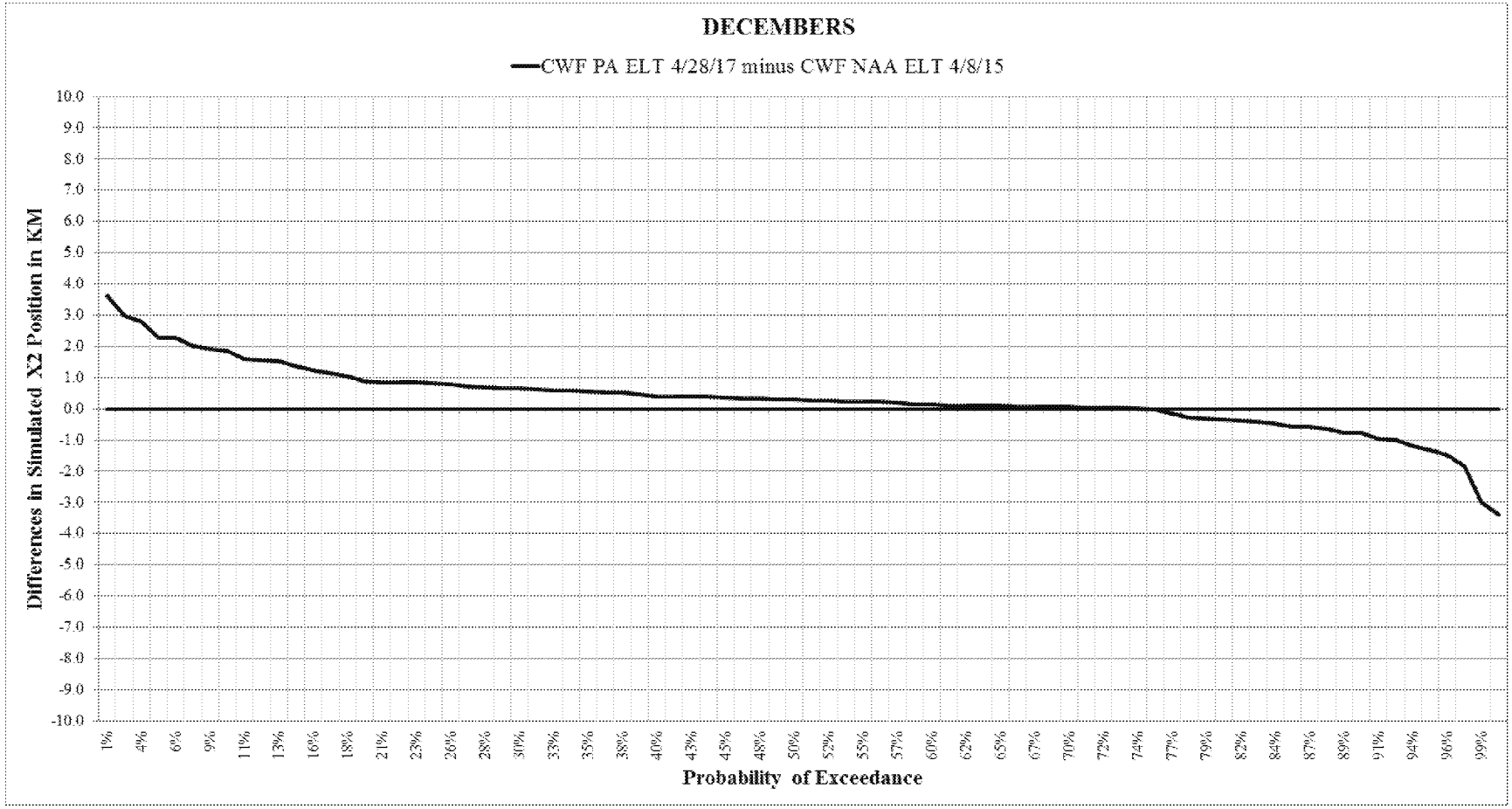
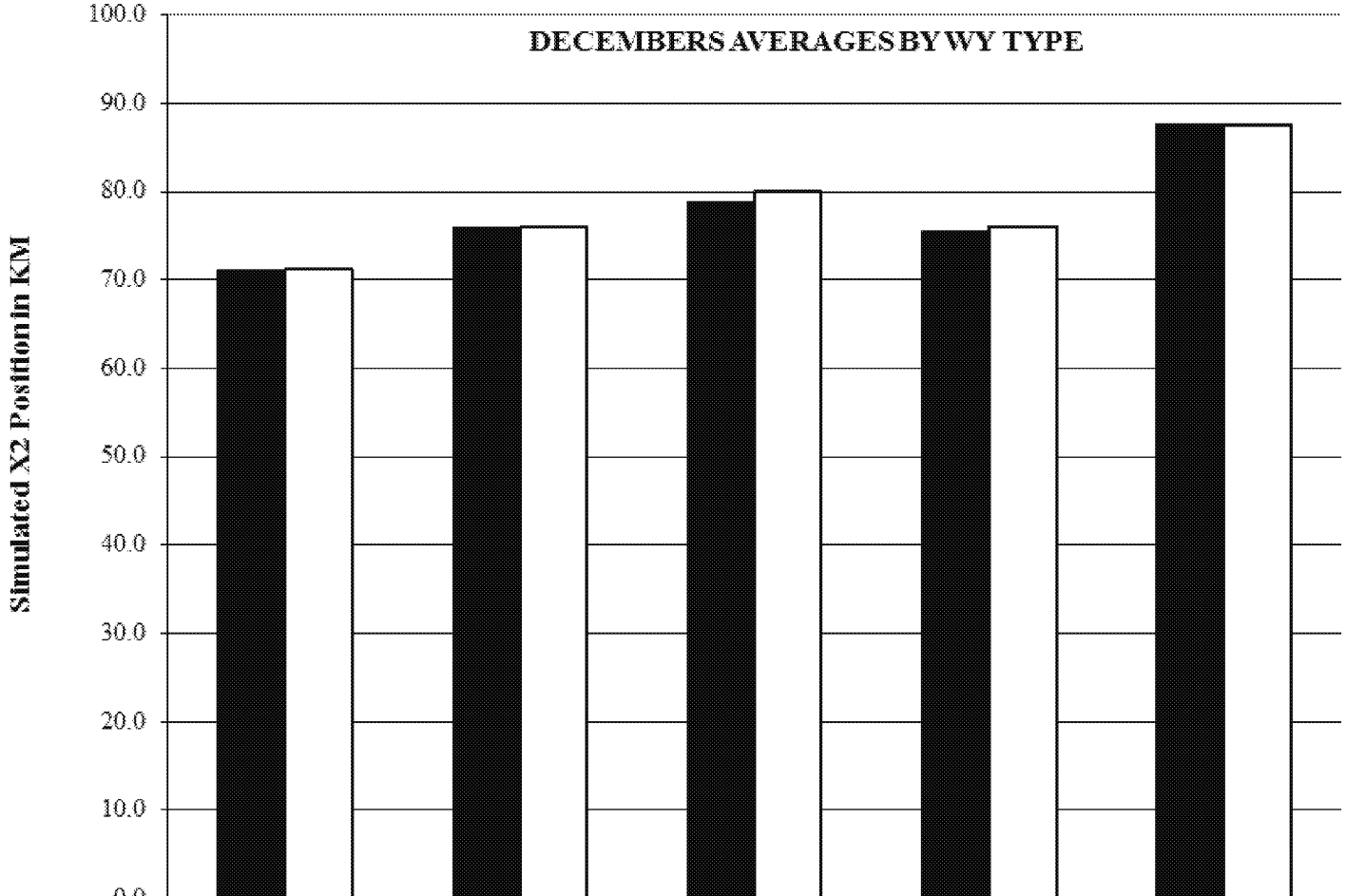


Figure B-47. Probability of exceedances of differences in simulated X2 position for all Decembers based on 82 years of CalSim II modeling.

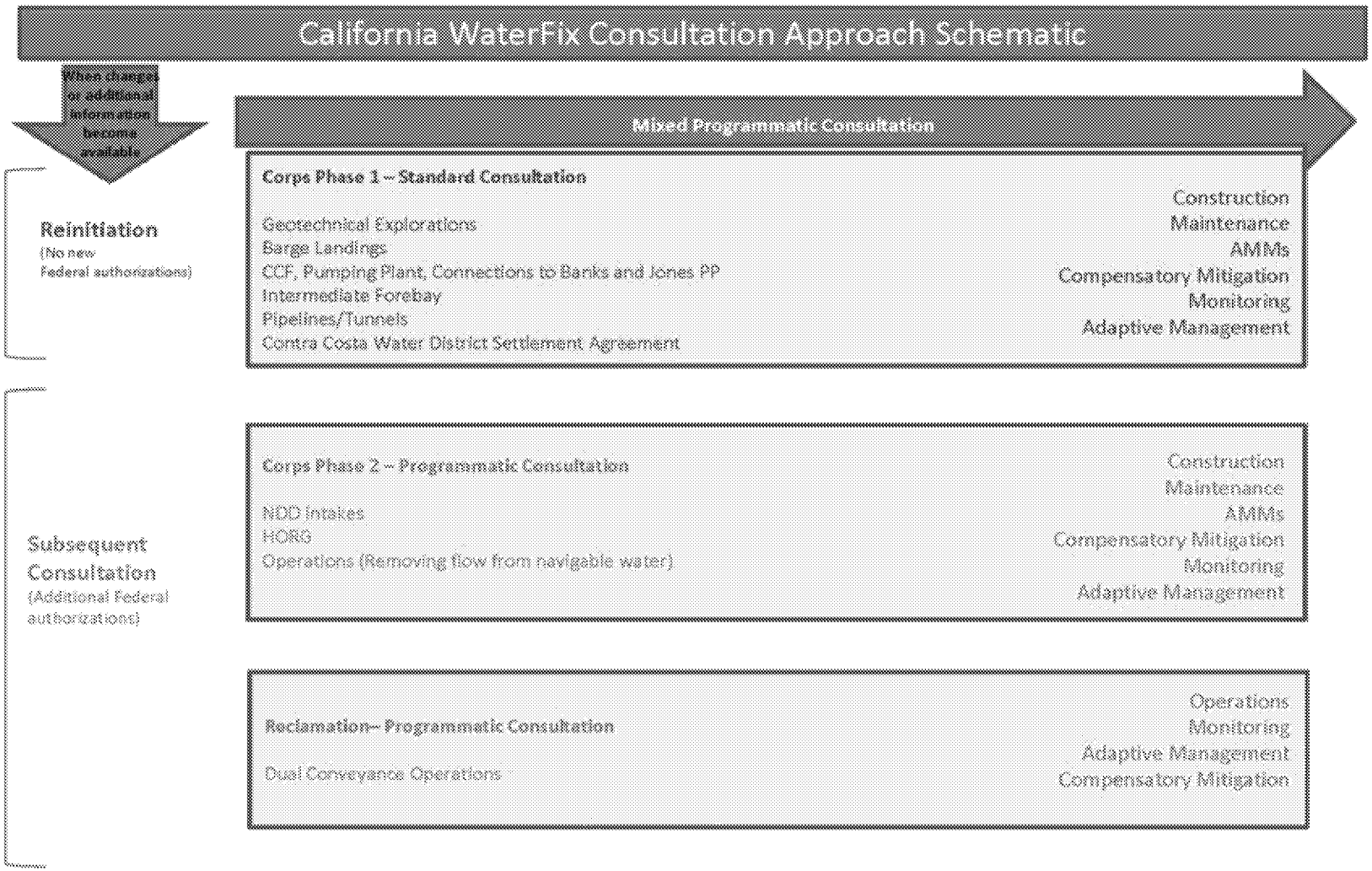
ED_002551_00001041-00537



	W (n = 26)	AN (n = 13)	BN (n = 11)	D (n = 20)	C (n = 12)
■ CWF NAA ELT CH20150408	71.1	76.0	78.8	75.5	87.6
□ CWF PA ELT CH20170428	71.3	75.9	80.1	76.0	87.5

Figure B-48. Simulated X2 position averaged by WY type for all Decembers based on 82 years of CalSim II modeling.

Appendix C. Consultation Approach Schematic and Phase 2 Maps.



Consultation Approach Schematic

When changes or additional information becomes available

Reinitiation
(No new Federal authorizations)

Phase 1 Standard Consultation

U.S. Bureau of Reclamation (Reclamation): Federal Action Agency
U.S. Army Corps of Engineers (Corps): Federal Action Agency
Department of Water Resources (DWR): Applicant

Federal Action(s):	Corps CWA 404 and R&HA Section 10*	Corps CWA 404 and R&HA Section 10*	Corps CWA 404 and R&HA Section 10*	Corps CWA 404 and R&HA Section 10*
Lead Action Agency:	Reclamation	Reclamation	Reclamation	Reclamation
Action Agency:	Corps	Corps	Corps	Corps
Proposed Action:	Geotechnical Explorations (overwater and land-side)	Barge Landings	Intermediate Forebay	Conveyance Tunnels

	Including:
	• Construction
	• Implementation of AMMs
	  • Monitoring
		Including:
		• Construction
		• Maintenance
		• Implementation of AMMs
		• Compensatory Mitigation
		  • Monitoring
		  • Adaptive Management
			Including:
			• Construction
			• Maintenance
			• Implementation of AMMs
			• Compensatory Mitigation
			  • Monitoring
			  • Adaptive Management
				Including:
				• Construction
				• Maintenance
				• Implementation of AMMs
				• Compensatory Mitigation
				  • Monitoring
				  • Adaptive Management