

Appendix 2-2: Stage-Storage Relationship of Lakes and Impoundments

Wossenu Abteu, R. Scott Huebner, Chandra Pathak and Violeta Ciuca

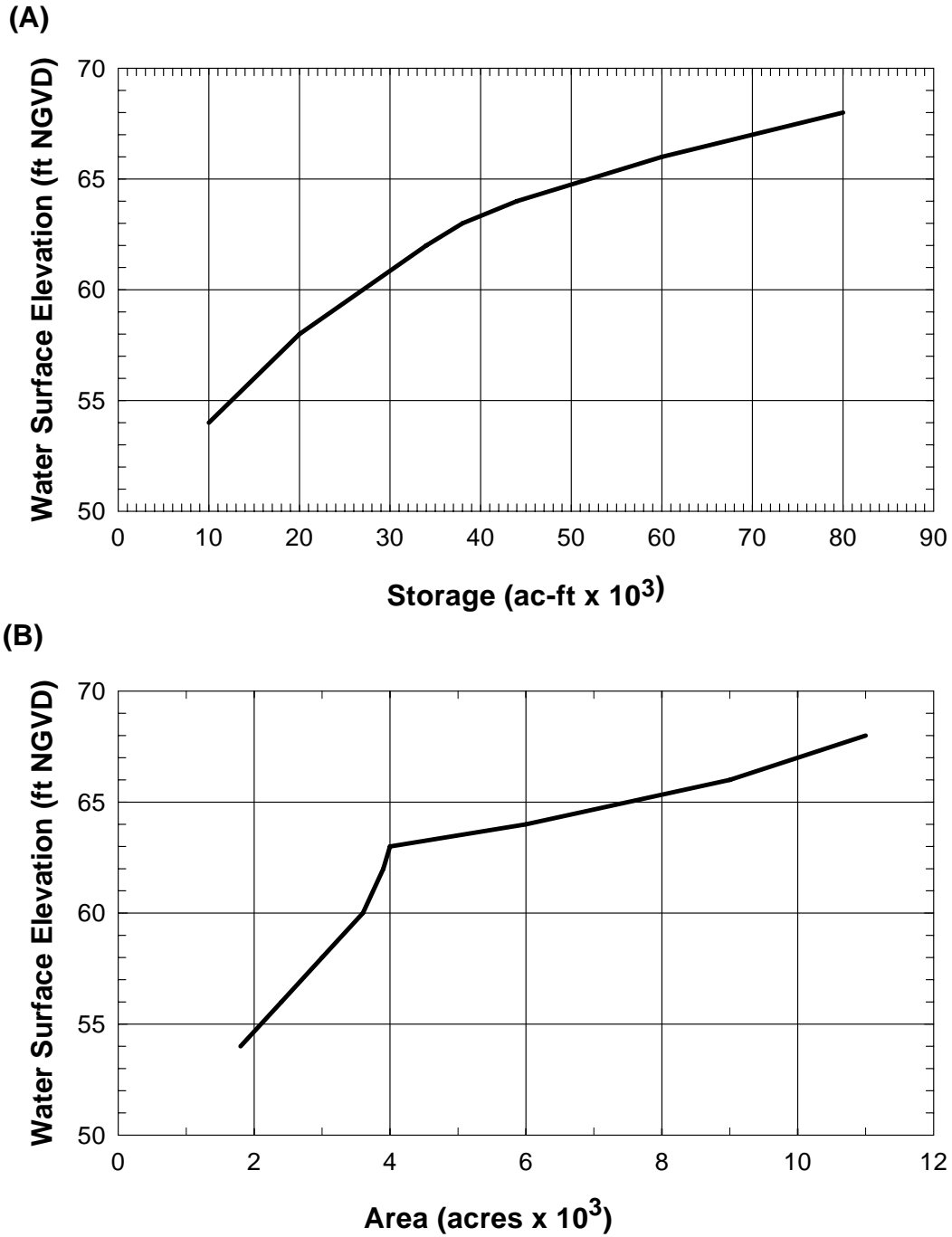


Figure 1. Stage – Storage and Stage – Area curves for Lake Alligator:
 (A) Stage – Storage, and (B) Stage – Area.¹

¹ Source: U.S. Army Corps of Engineers (USACE), Jacksonville District – *Lake Okeechobee and Everglades Agricultural Area Master Water Control Manual*, plate 8-4.

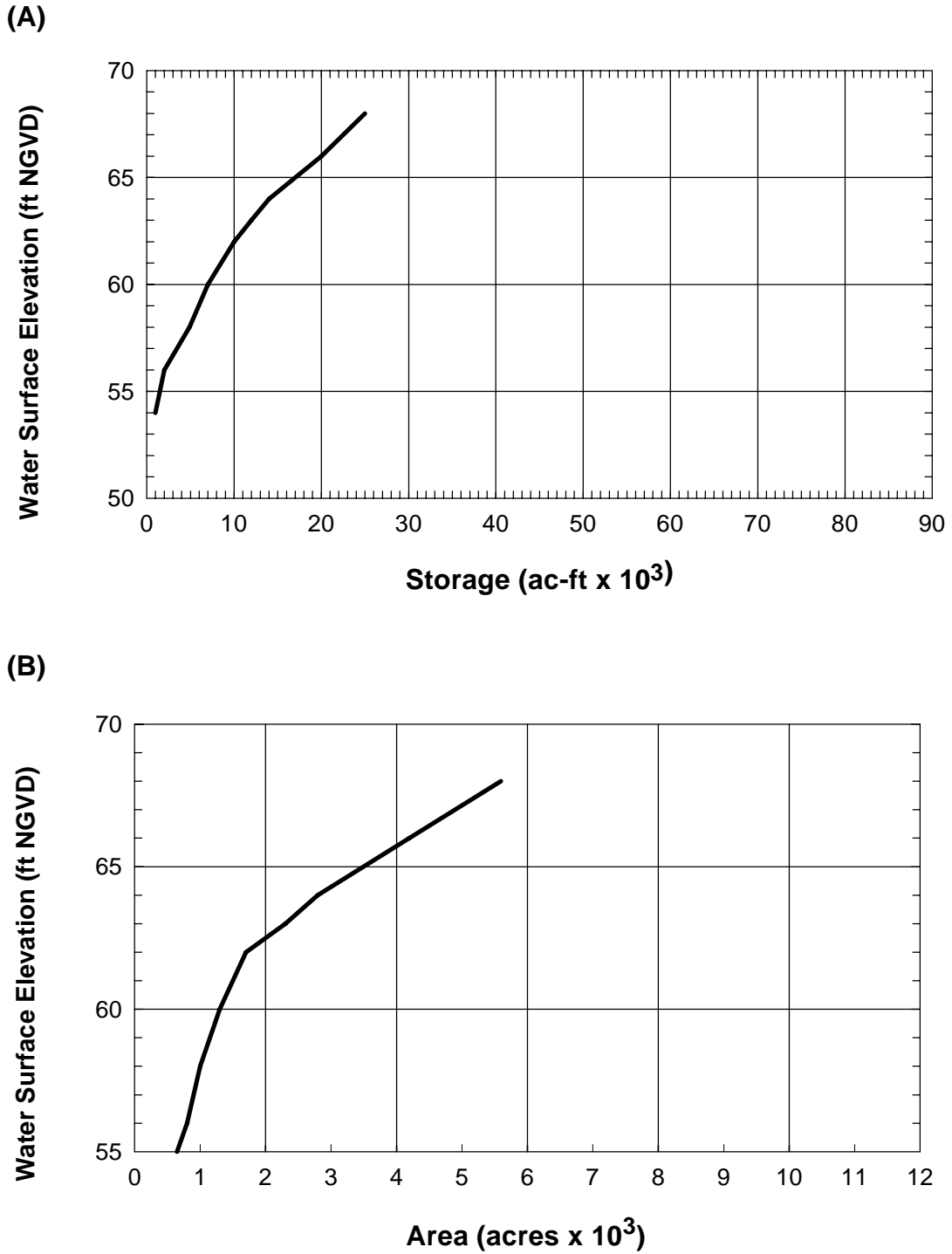


Figure 2. Stage – Storage and Stage – Area curves for Lake Myrtle:
 (A) Stage – Storage, and (B) Stage – Area.²

² Source: USACE, Jacksonville District – *Lake Okeechobee and Everglades Agricultural Area Master Water Control Manual*, plate 8-4.

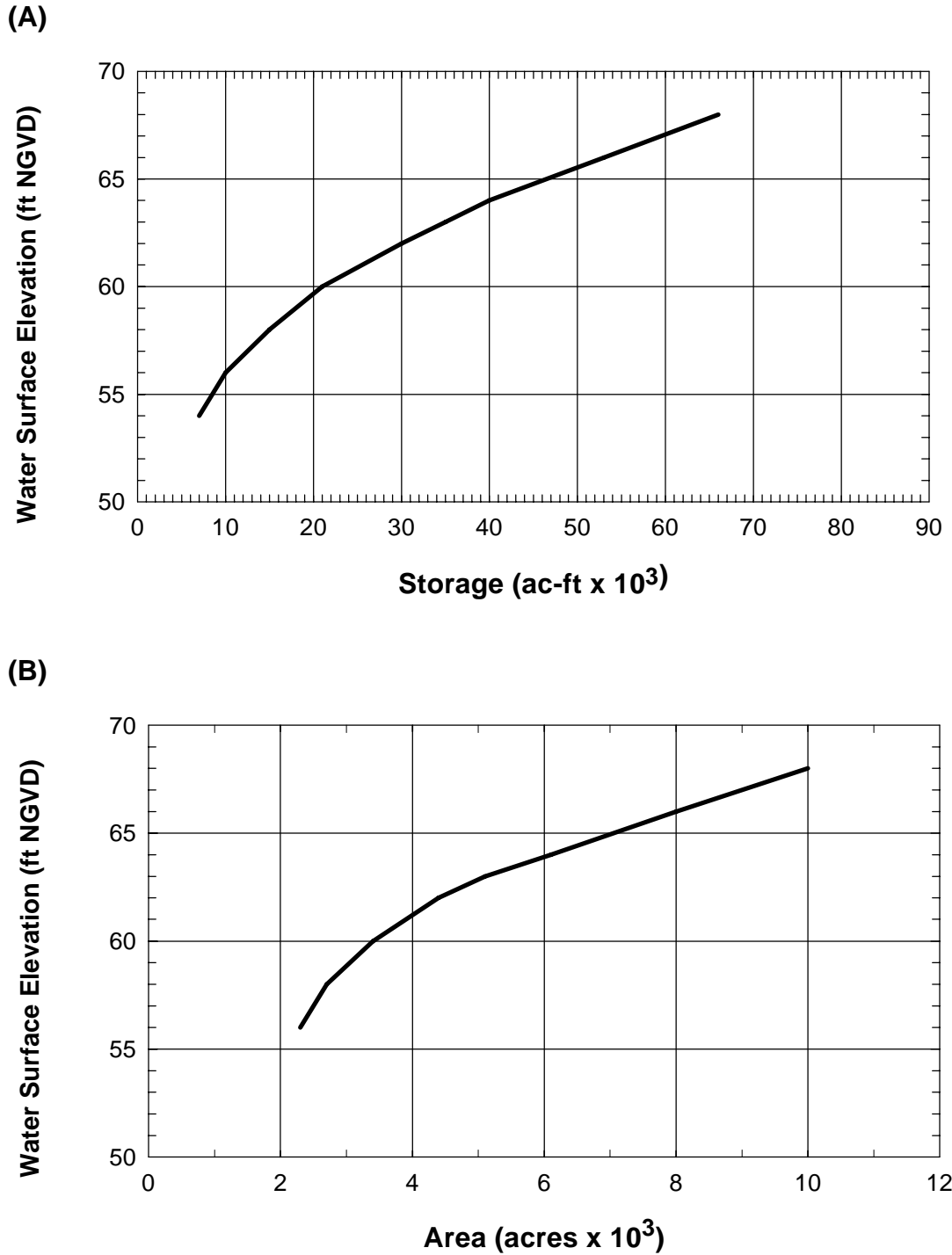


Figure 3. Stage – Storage and Stage – Area curves for Lake Mary Jane:
 (A) Stage – Storage, and (B) Stage – Area.³

³ Source: USACE, Jacksonville District – *Lake Okeechobee and Everglades Agricultural Area Master Water Control Manual*, plate 8-4.

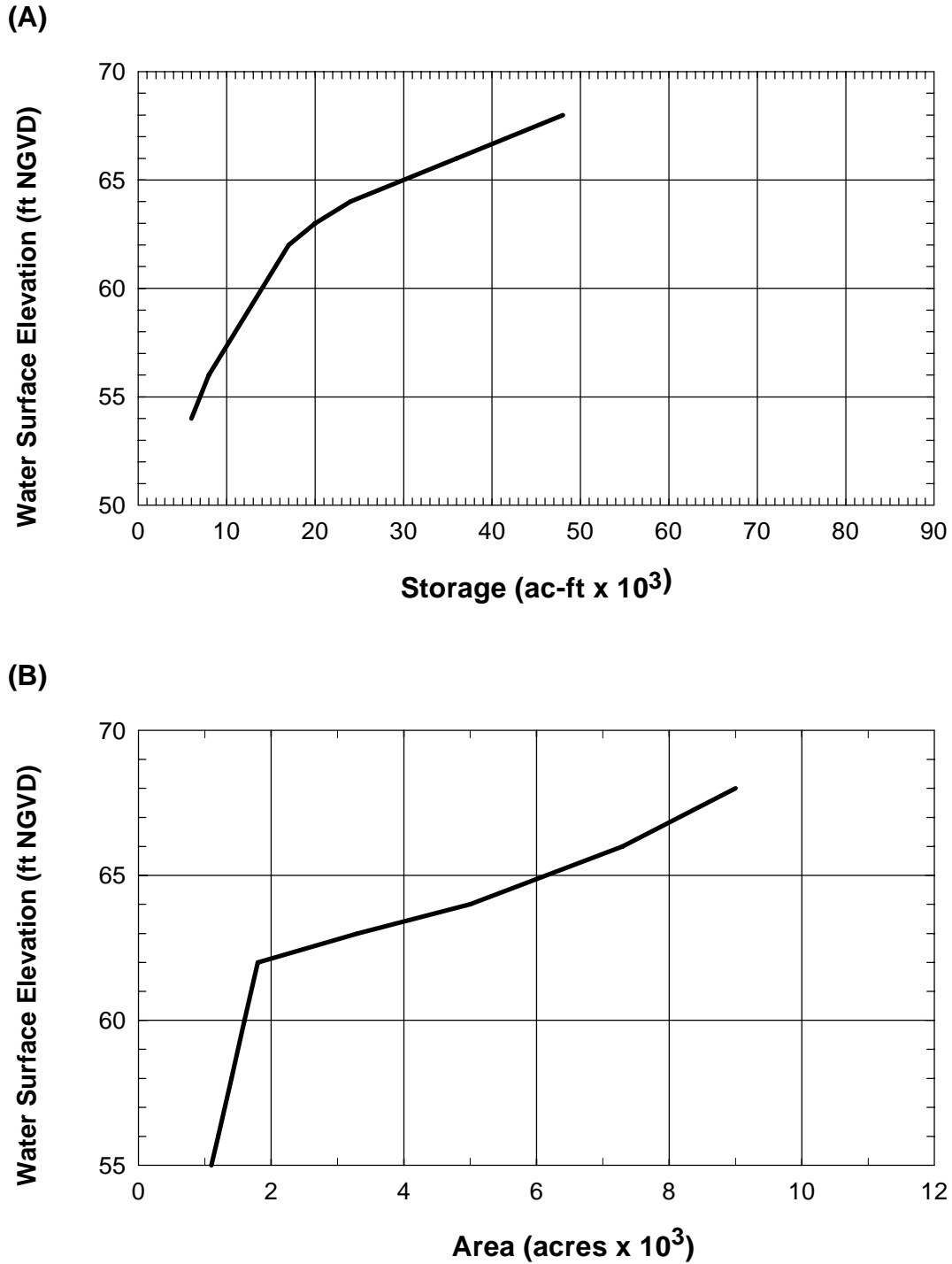


Figure 4. Stage – Storage and Stage – Area curves for Lake Gentry:
 (A) Stage – Storage, and (B) Stage – Area.⁴

⁴ Source: USACE, Jacksonville District – *Lake Okeechobee and Everglades Agricultural Area Master Water Control Manual*, plate 8-4.

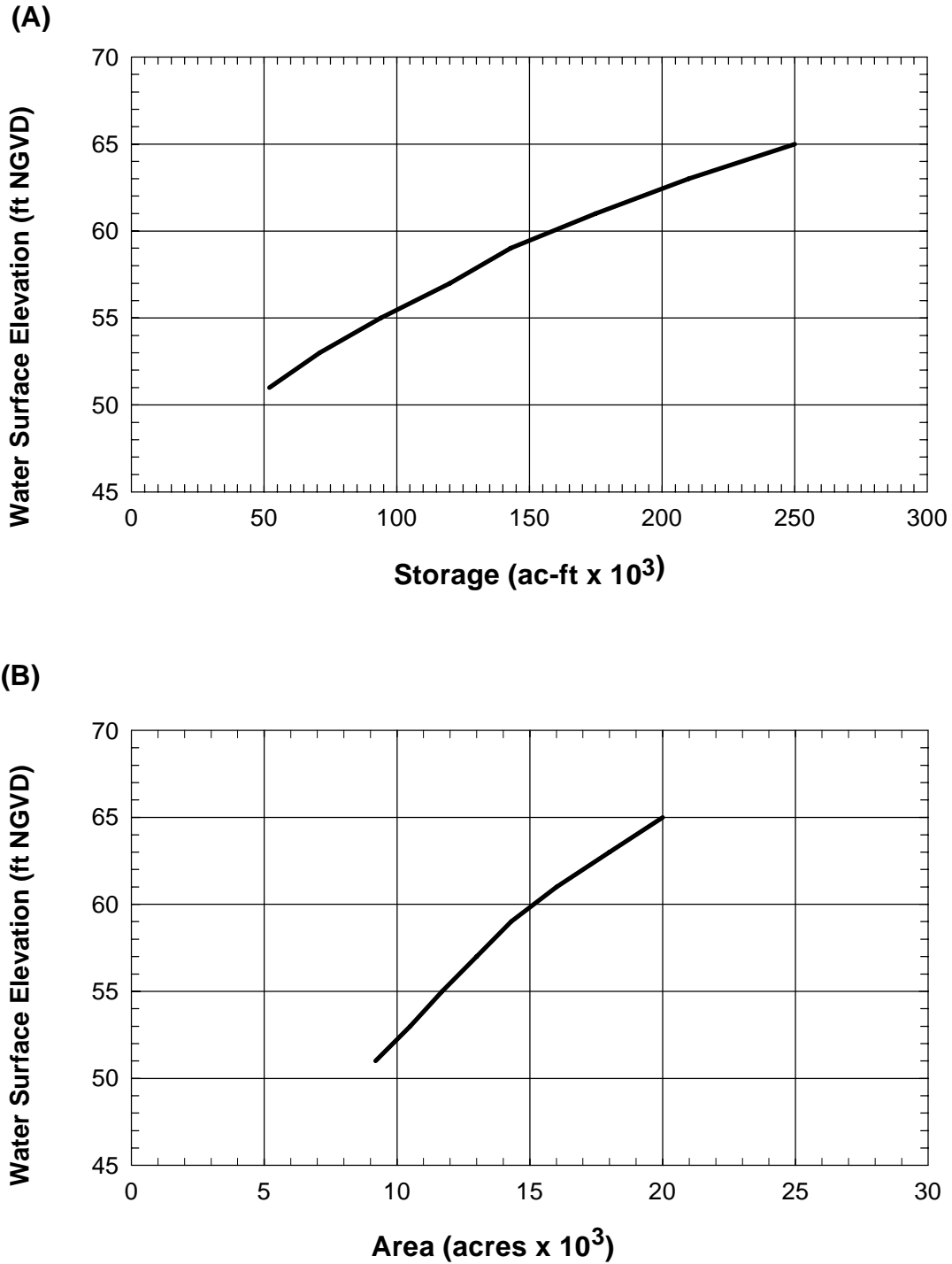


Figure 5. Stage – Storage and Stage – Area curves for East Lake Tohopekaliga:
(A) Stage – Storage, and (B) Stage – Area.⁵

⁵ Source: USACE, Jacksonville District – *Lake Okeechobee and Everglades Agricultural Area Master Water Control Manual*, plate 8-4.

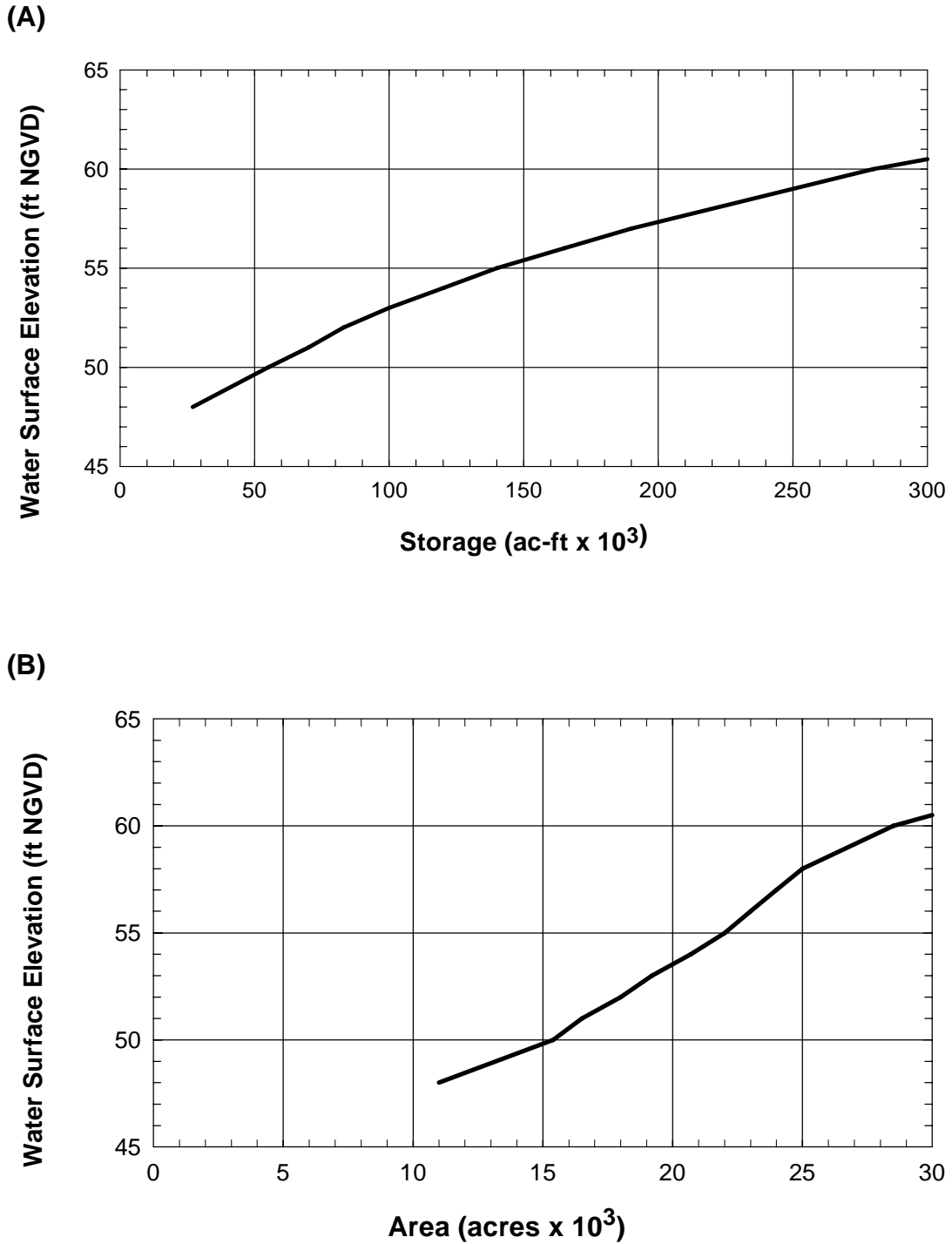


Figure 6. Stage – Storage and Stage – Area curves for Lake Tohopekaliga:
 (A) Stage – Storage, and (B) Stage – Area.⁶

⁶ Source: USACE, Jacksonville District – *Lake Okeechobee and Everglades Agricultural Area Master Water Control Manual*, plate 8-4.

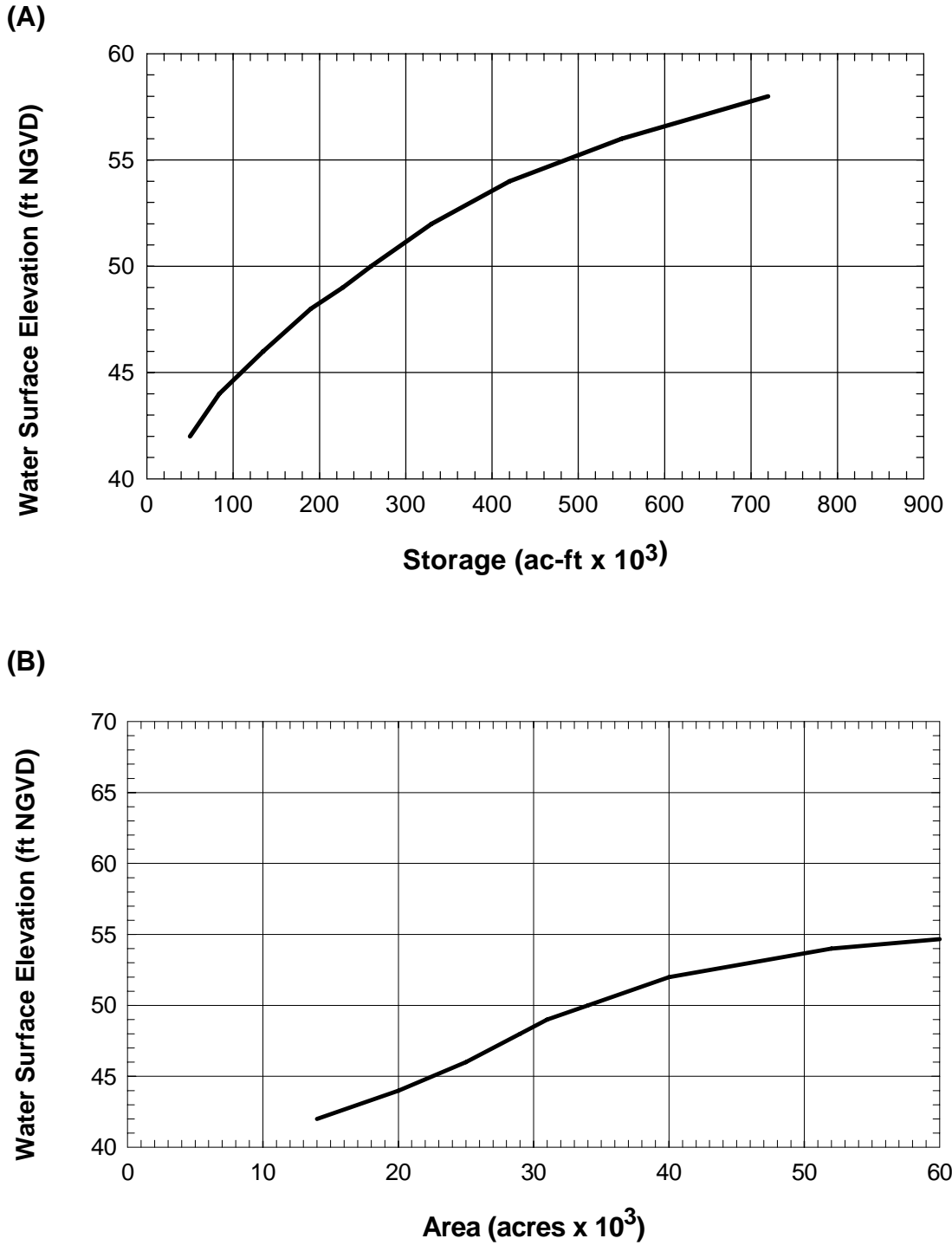


Figure 7. Stage – Storage and Stage – Area curves for Lake Kissimmee: (A) Stage – Storage, and (B) Stage – Area.⁷

⁷ Source: USACE, Jacksonville District – *Lake Okeechobee and Everglades Agricultural Area Master Water Control Manual*, plate 8-2.

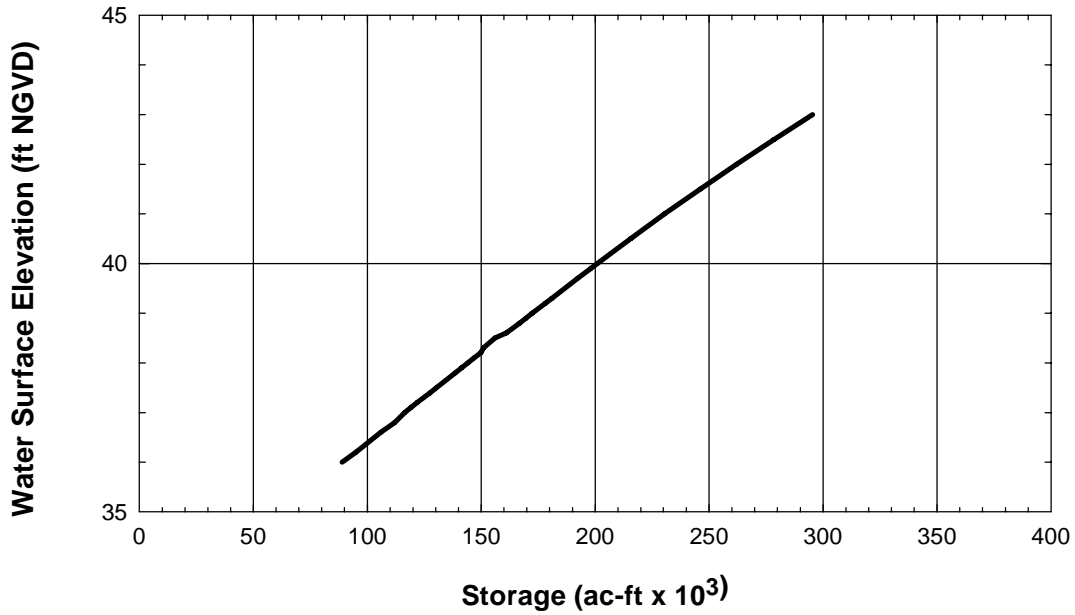


Figure 8. Stage – Storage curve for Lake Istokpoga.⁸

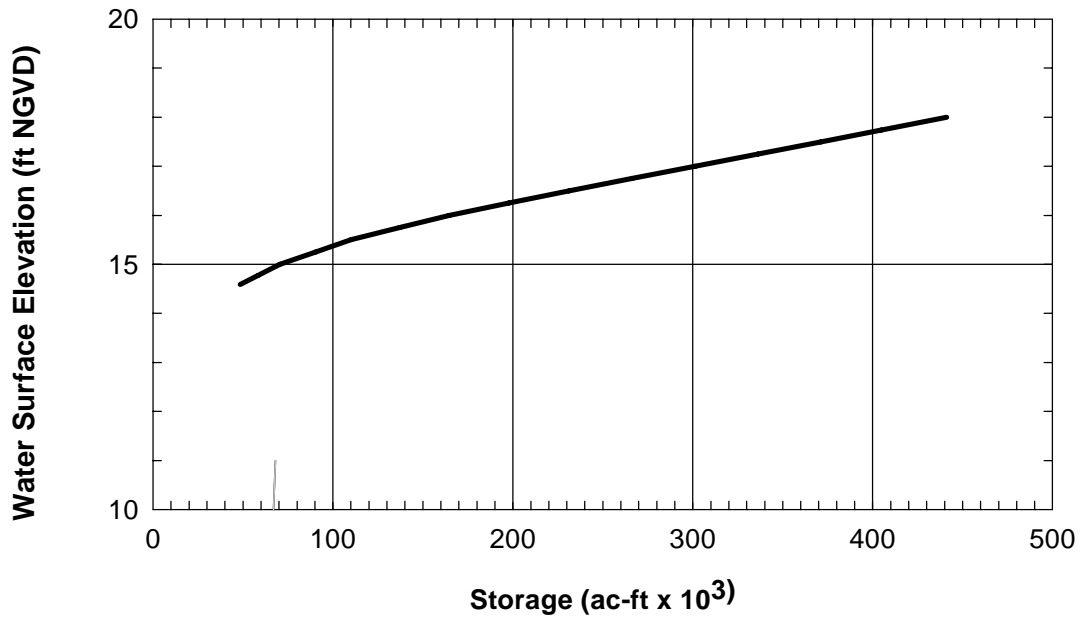


Figure 9. Stage – Storage curve for Water Conservation Area 1.⁹

⁸ Source: South Florida Water Management District (SFWMD), Daily System Storage Report. SFWMD, West Palm Beach, FL. Retrieved July 31, 2006, from <http://www.sfwmd.gov/org/ema/reports/sstorage/sstorage.pdf>

⁹ Source: USACE, Jacksonville District. E-mail (provisional data provided as attachment), December 9, 2005.

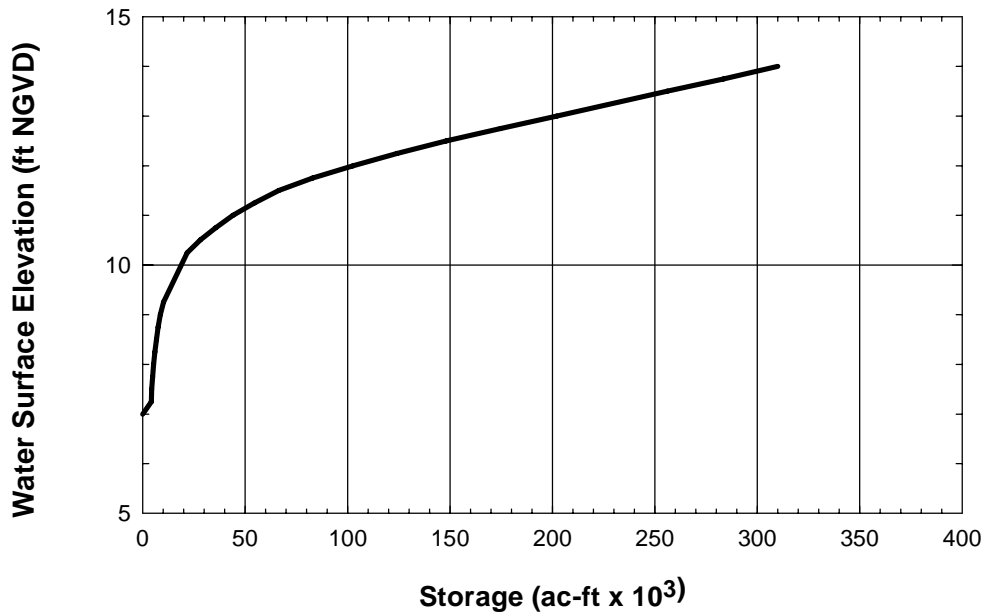


Figure 10. Stage – Storage curve for Water Conservation Area 2A.¹⁰

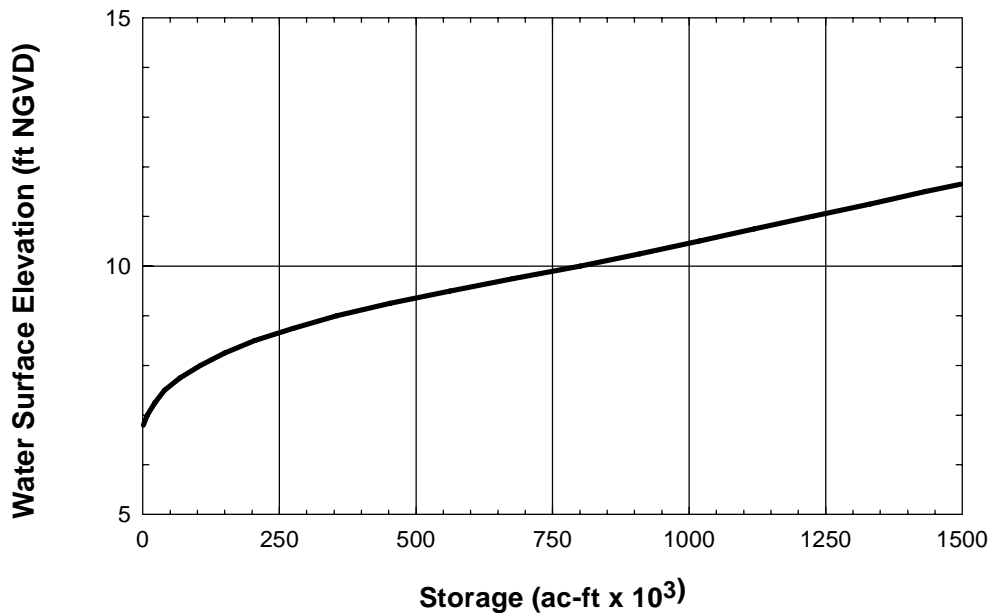


Figure 11. Stage – Storage curve for Water Conservation Area 3A.¹¹

¹⁰ Source: SFWMD, op. cit.

¹¹ Source: USACE, Jacksonville District. E-mail, op. cit.

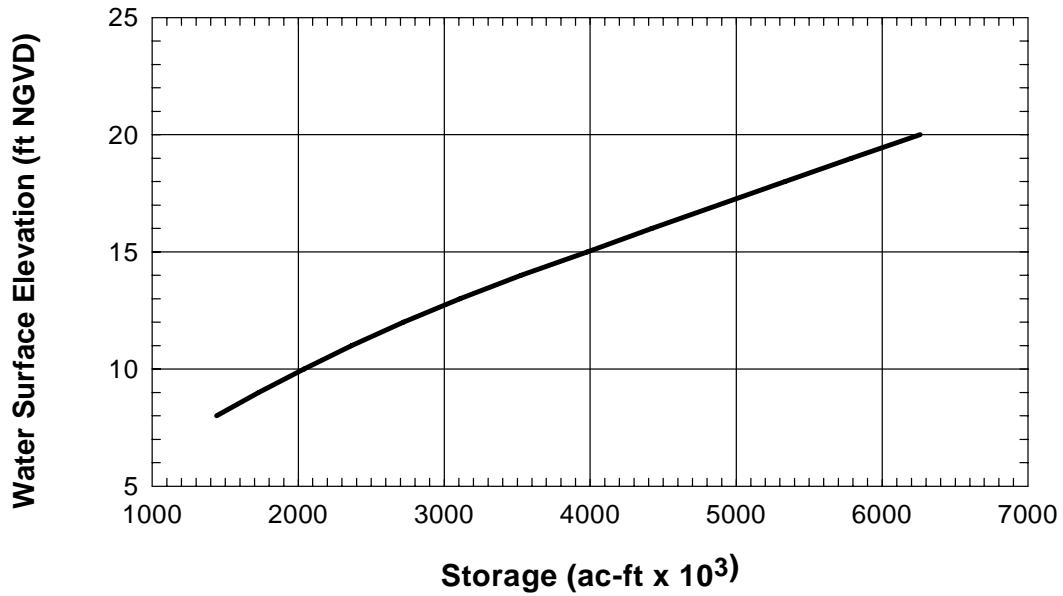


Figure 12. Stage – Storage curve for Lake Okeechobee.¹²

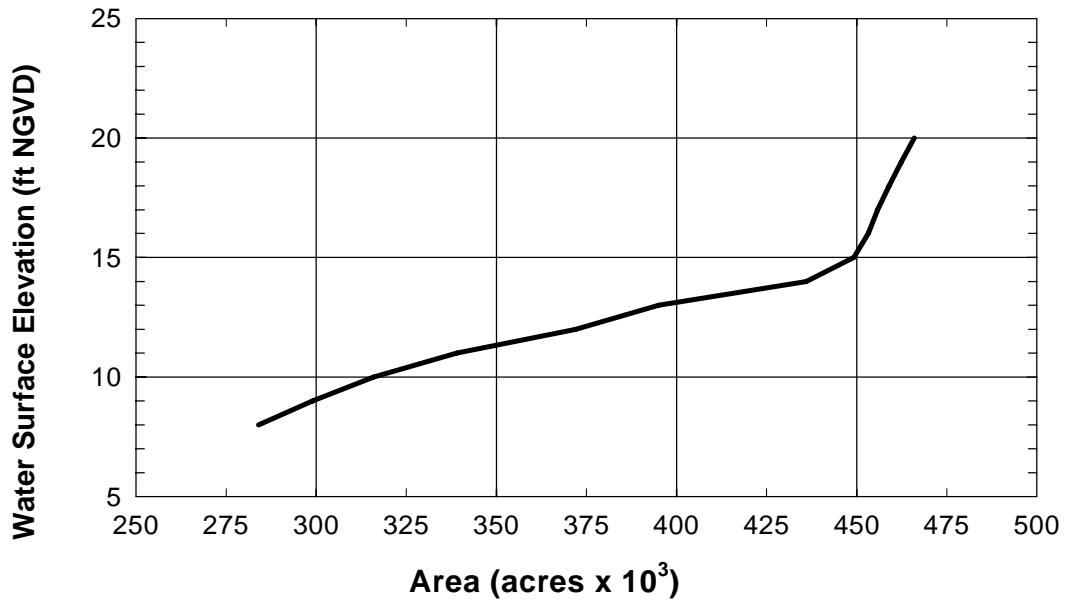


Figure 13. Stage – Area curve for Lake Okeechobee.¹³

¹²Source: USACE, Jacksonville District. "Area Capacity Lake Okeechobee 1962 Curve" (Form 310 computation sheet), July 2, 1962.

¹³Source: USACE, Jacksonville District. "Area Capacity Lake Okeechobee 1962 Curve," op. cit.