Appendix A. Timeline

Color Code:
- Fire Behavior / Growth
- Strategy / Decision Changes
- Impacts (Structures, Infrastructure, HAZMAT)
- Life Safety (Evacuations, Injuries, Fatality)
- Leadership / IMT / Coordination

July 4	Ignition (~0.25 acres, lightning-caused) Initial full suppression → shift to confine & contain	Phase 1 Initial Response
July 6	First WFDSS decision (confine/contain formally documented)	
July 7–9	Gradual growth (to ~59 acres) Strategy reaffirmed despite increasing risk signals	
July 9	Increasing fire activity (torching, spotting) Ad hoc Type 3 organization assumes command	
July 10	Fire reaches ~150–360 acres with critical fire weather North Rim visitor evacuation (White Sage Fire context) No strategy change (confine/contain maintained)	
July 11	Rapid fire growth (~350 → 1,500+ acres) Wind shift + spotting overwhelms containment lines WFDSS reaffirmed confine/contain (mid-day) Employee evacuation (SET → GO within ~20 min) Structure exposure begins (Admin area) Retardant requested (not immediately approved) Mechanized equipment (UTVs) requested (delayed approval path)	Phase 2 Critical Escalation
Overnight	Extreme fire behavior (ember wash, long-range spotting) Structures, vehicles, admin area ignited Personnel withdrawal / survival actions Evacuations into canyon (life safety extreme case)	
July 12	Major growth (~2,000 → 3,000+ acres) Widespread structure loss HAZMAT event – chlorine release (wastewater plant) Inner canyon evacuation (Phantom Ranch) Strategy effectively shifts to full suppression (operationally)	
July 13	Grand Canyon Lodge destroyed Full suppression formally documented (WFDSS) Retardant approved and applied (~42,000 gallons) Transition toward CIMT	
July 14	CIMT assumes command Fire ~5,700 acres	Phase 3 Stabilization
July 15–22	Fire activity moderates Damage assessment, hazard mitigation begins AA engagement increases / governance structure evolves	
July 23 – Aug 3	~100,000 acres growth (≈69% of total fire) Driven by wind + low RH CIMT transition (Type 4 → Type 2) AA transition	Phase 4 Large Growth
Aug 4 – Sept 7	BAER assessment, infrastructure stabilization Multiple IMT transitions Re-entry coordination challenges Public meetings and stakeholder engagement	Phase 5 Ext. Ops & Recovery
Sept 8	Contractor fatality (medical event)	Phase 6 Close Out
Sept 29	100% containment (145,504 acres)	