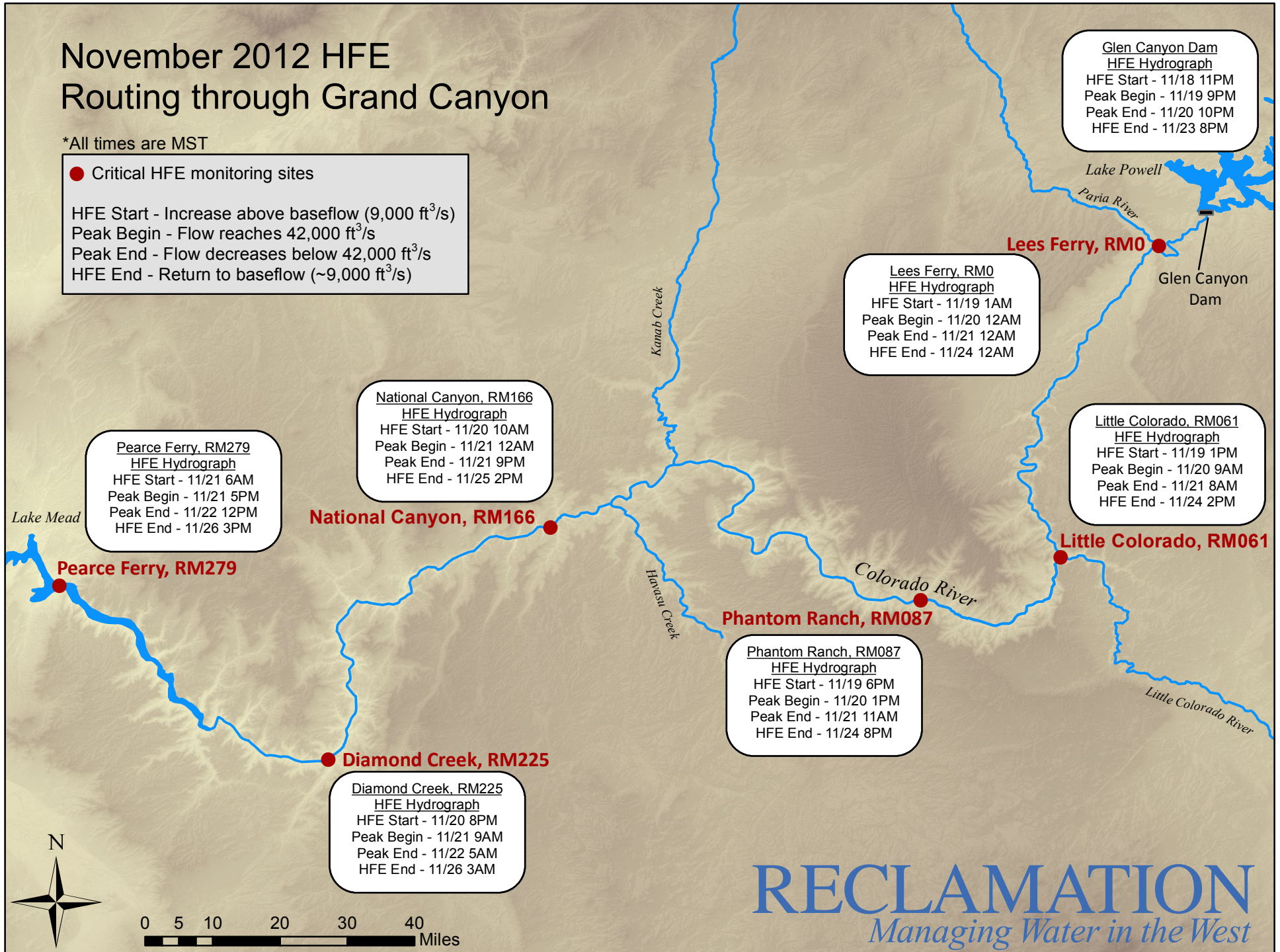


# November 2012 HFE Routing through Grand Canyon

\*All times are MST

● Critical HFE monitoring sites

HFE Start - Increase above baseflow (9,000 ft<sup>3</sup>/s)  
 Peak Begin - Flow reaches 42,000 ft<sup>3</sup>/s  
 Peak End - Flow decreases below 42,000 ft<sup>3</sup>/s  
 HFE End - Return to baseflow (~9,000 ft<sup>3</sup>/s)



Glen Canyon Dam  
 HFE Hydrograph  
 HFE Start - 11/18 11PM  
 Peak Begin - 11/19 9PM  
 Peak End - 11/20 10PM  
 HFE End - 11/23 8PM

Lees Ferry, RM0  
 HFE Hydrograph  
 HFE Start - 11/19 1AM  
 Peak Begin - 11/20 12AM  
 Peak End - 11/21 12AM  
 HFE End - 11/24 12AM

National Canyon, RM166  
 HFE Hydrograph  
 HFE Start - 11/20 10AM  
 Peak Begin - 11/21 12AM  
 Peak End - 11/21 9PM  
 HFE End - 11/25 2PM

Pearce Ferry, RM279  
 HFE Hydrograph  
 HFE Start - 11/21 6AM  
 Peak Begin - 11/21 5PM  
 Peak End - 11/22 12PM  
 HFE End - 11/26 3PM

Little Colorado, RM061  
 HFE Hydrograph  
 HFE Start - 11/19 1PM  
 Peak Begin - 11/20 9AM  
 Peak End - 11/21 8AM  
 HFE End - 11/24 2PM

Phantom Ranch, RM087  
 HFE Hydrograph  
 HFE Start - 11/19 6PM  
 Peak Begin - 11/20 1PM  
 Peak End - 11/21 11AM  
 HFE End - 11/24 8PM

Diamond Creek, RM225  
 HFE Hydrograph  
 HFE Start - 11/20 8PM  
 Peak Begin - 11/21 9AM  
 Peak End - 11/22 5AM  
 HFE End - 11/26 3AM