PM1: GPP Out-of-Sample Prediction Silver Creek, UT Medina River, TX 30 20 10 0 Apr 2016 Jan 2017 Jan 2011 Jan 2016 Jul 2016 Oct 2016 Apr 2017 Oct 2011 Jan 2012 Jul 2011 Anacostia River, MD West Fork River, WV $O_2 m^{-2} d^{-1}$ 30 20 GPP (g 10 Apr 2013 Oct 2013 Jan 2014 Jan 2015 Apr 2015 Jul 2015 Oct 2015 Jan 2016 Jan 2013 Jul 2013 St. John's River, FL Clackamas River, OR 30 20 10 0 Jan 2015 Jan 2013 Apr 2014 Jul 2014 Oct 2014 Jan 2014 Apr 2013 Jul 2013 Jan 2014 Oct 2013