

a

Pre-MODIS

			Landsat		AVHRR	
			BFAST	GSI <sub>anom</sub>	BFAST	GSI <sub>anom</sub>
NDVI	Volume (M m <sup>3</sup> )	R <sup>2</sup>	0.26	0.00	<b>0.43</b>	0.12
		RMSE	22.6	17.6	3.25	34.0
	Duration (days)	R <sup>2</sup>	0.28	0.00	<b>0.28</b>	0.14
		RMSE	5.3	8.58	2.73	15.0
MSAVI	Volume (M m <sup>3</sup> )	R <sup>2</sup>	0.04	0.02	0.2	0.08
		RMSE	28.0	40.0	26.67	36.7
	Duration (days)	R <sup>2</sup>	0.14	0.03	0.15	0.10
		RMSE	6.14	14.9	6.89	16.3
NDWI	Volume (M m <sup>3</sup> )	R <sup>2</sup>	0.42	0.04		
		RMSE	19.0	36.8		
	Duration (days)	R <sup>2</sup>	0.21	0.04		
		RMSE	5.3	13.9		

b

MODIS

			MODIS		Landsat		AVHRR	
			BFAST	GSI <sub>anom</sub>	BFAST	GSI <sub>anom</sub>	BFAST	GSI <sub>anom</sub>
NDVI	Volume (M m <sup>3</sup> )	R <sup>2</sup>	0.64	0.26	0.22	0.53	0.46	0.36
		RMSE	26.5	41.8	9.55	35.0	40.2	34.6
	Duration (days)	R <sup>2</sup>	0.53	0.18	0.25	0.57	0.51	0.39
		RMSE	8.9	12.4	2.33	10.3	11.5	10.2
MSAVI	Volume (M m <sup>3</sup> )	R <sup>2</sup>	0.52	0.51	0.28	0.38	0.07	0.10
		RMSE	31.9	31.43	37.5	35.2	56.6	41.0
	Duration (days)	R <sup>2</sup>	0.41	0.41	0.37	0.42	0.05	0.10
		RMSE	10.2	9.85	10.8	10.5	16.2	12.1
NDWI	Volume (M m <sup>3</sup> )	R <sup>2</sup>	<b>0.75</b>	0.38	0.48	0.01		
		RMSE	16.5	27.6	14.3	44.2		
	Duration (days)	R <sup>2</sup>	<b>0.62</b>	0.25	0.03	0.01		
		RMSE	5.7	9.8	10.5	14.5		