Geographic and seasonal patterns in salinity Boxplots reflect between-year variability SLS SKT STN **FMWT** 20mm ----• # Napa River arquinez Stra West Suisun Bay Mid Suisun Bay sun Ma StationCode Confluence lough and Liber South 10 20 30 0 10 20 10 20 10 20 30 0 10 20 30 0 30 0 30 Salinity SF and Outer SP Bays West Suisun Bay Sacramento River near Ryde Sacramento River near Rio Vista Mildred Island Mid San Pablo Bay Mid Suisun Bay Cache Slough and Liberty Island Holland Cut North and South Forks Mokelumne River Upper Napa River Suisun Marsh San Joaquin River at Twitchell Island Victoria Canal San Joaquin River near Stockton SubRegion East San Pablo Bay Honker Bay Franks Tract Old River Lower Napa River Lower San Joaquin River Upper Sacramento River San Joaquin River at Prisoners Pt Carquinez Strait Lower Sacramento River Sacramento River Ship Channel Middle River

Geographic and seasonal patterns in Secchi Boxplots reflect between-year variability SLS SKT STN **FMWT** 20mm Napa River arquinez Stra West Suisun Bay Mid Suisun Bay sun Ma StationCode Confluence lough and Liber South 200 300 200 300 300 300 100 Ö 100 100 200 Ö 100 200 300 Ö 100 200 Secchi SF and Outer SP Bays West Suisun Bay Sacramento River near Rio Vista Sacramento River near Ryde Mildred Island Mid Suisun Bay North and South Forks Mokelumne River Mid San Pablo Bay Cache Slough and Liberty Island Holland Cut Upper Napa River Suisun Marsh San Joaquin River at Twitchell Island Victoria Canal San Joaquin River near Stockton SubRegion East San Pablo Bay Honker Bay Franks Tract Old River Lower Napa River Lower San Joaquin River Upper Sacramento River San Joaquin River at Prisoners Pt Carquinez Strait Lower Sacramento River Sacramento River Ship Channel Middle River

Geographic and seasonal patterns in Temperature Boxplots reflect between-year variability SLS SKT STN **FMWT** 20mm Napa River arquinez Stra West Suisun Bay Mid Suisun Bay sun Ma StationCode lough and Liber South 15 25 15 25 15 20 25 10 20 25 10 20 10 25 10 15 20 10 15 Temperature SF and Outer SP Bays West Suisun Bay Sacramento River near Rio Vista Sacramento River near Ryde Mildred Island Mid San Pablo Bay Mid Suisun Bay Cache Slough and Liberty Island Holland Cut North and South Forks Mokelumne River Upper Napa River Suisun Marsh San Joaquin River at Twitchell Island Victoria Canal San Joaquin River near Stockton SubRegion East San Pablo Bay Honker Bay Franks Tract Old River Lower Napa River Lower San Joaquin River Upper Sacramento River San Joaquin River at Prisoners Pt Carquinez Strait Lower Sacramento River Middle River Sacramento River Ship Channel

Geographic and seasonal patterns in CPUV Boxplots reflect between-year variability SLS SKT STN **FMWT** 20mm Napa River arquinez Stra West Suisun Bay Mid Suisun Bay sun Ma StationCode Confluence lough and Liber South 3 0 1 2 3 0 Cube Root Age–0 Striped Bass CPUV Ö SF and Outer SP Bays West Suisun Bay Mildred Island Sacramento River near Rio Vista Sacramento River near Ryde Mid Suisun Bay North and South Forks Mokelumne River Mid San Pablo Bay Cache Slough and Liberty Island Holland Cut Upper Napa River Suisun Marsh San Joaquin River at Twitchell Island Victoria Canal San Joaquin River near Stockton SubRegion East San Pablo Bay Honker Bay Franks Tract Old River Lower Napa River Lower San Joaquin River San Joaquin River at Prisoners Pt Upper Sacramento River Lower Sacramento River Carquinez Strait Middle River Sacramento River Ship Channel

Geographic and seasonal patterns in CPUV Boxplots reflect between-year variability SLS SKT STN **FMWT** 20mm Napa River arquinez Stra West Suisun Bay Mid Suisun Bay sun Ma StationCode lough and Liber South Age-0 Striped Bass CPUV 20 40 20 40 30 40 10 30 10 30 10 20 40 SF and Outer SP Bays West Suisun Bay Sacramento River near Rio Vista Sacramento River near Ryde Mildred Island Mid San Pablo Bay Mid Suisun Bay Holland Cut North and South Forks Mokelumne River Cache Slough and Liberty Island Upper Napa River Suisun Marsh San Joaquin River at Twitchell Island Victoria Canal San Joaquin River near Stockton SubRegion East San Pablo Bay Honker Bay Franks Tract Old River Lower Napa River Lower San Joaquin River Upper Sacramento River San Joaquin River at Prisoners Pt Carquinez Strait Lower Sacramento River Sacramento River Ship Channel Middle River