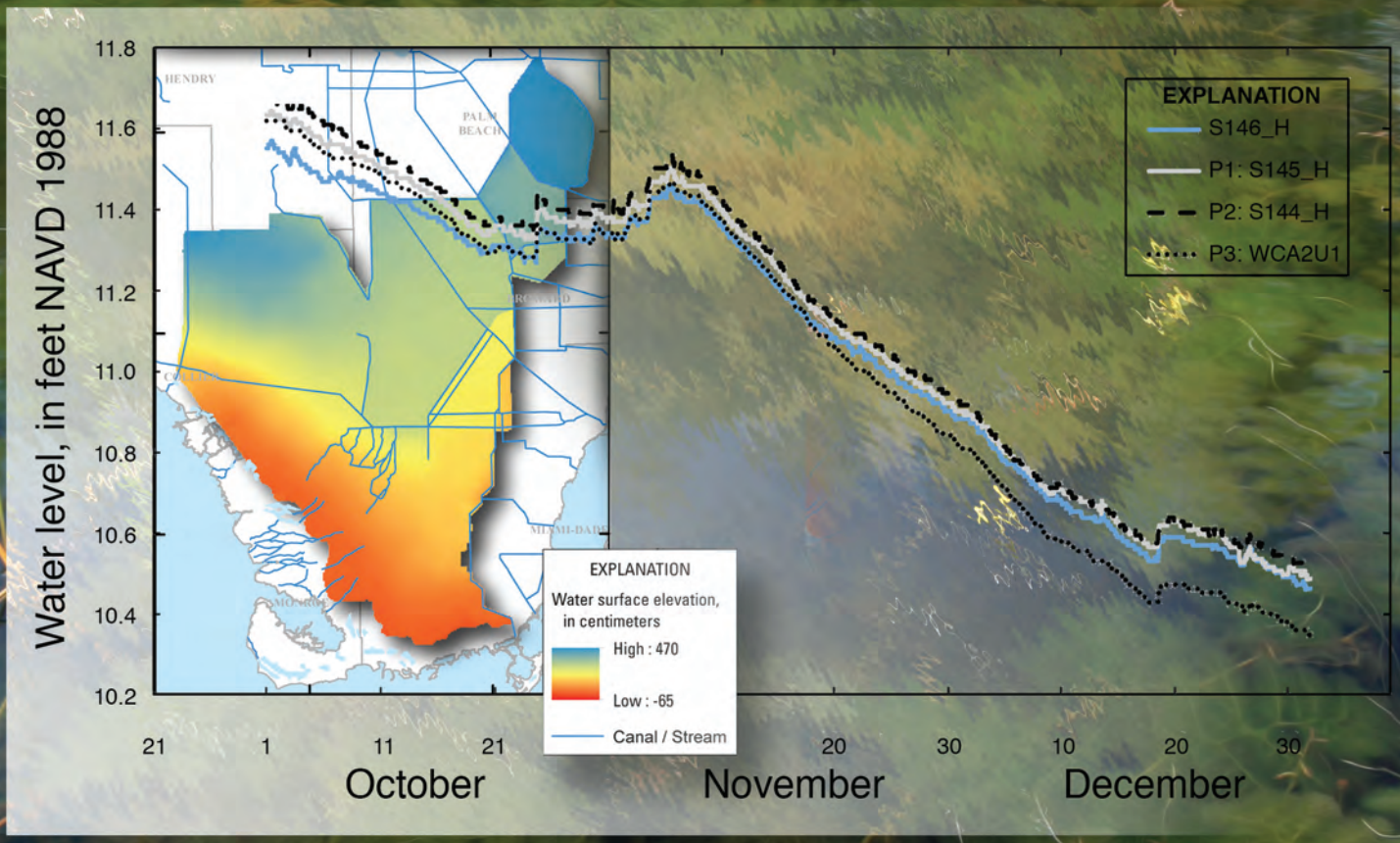
USGS
science for a changing world

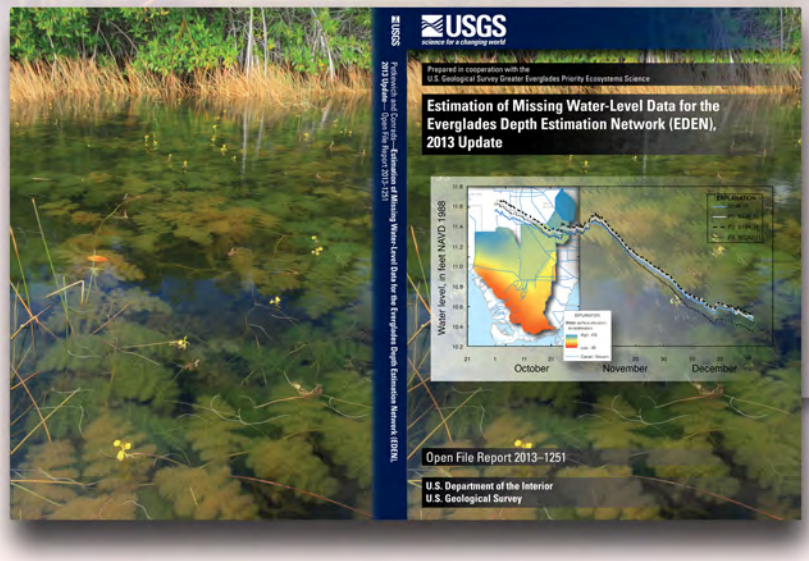
Prepared in cooperation with the
U.S. Geological Survey Greater Everglades Priority Ecosystems Science

Estimation of Missing Water-Level Data for the Everglades Depth Estimation Network (EDEN), 2013 Update



Open-File Report 2013–1251

U.S. Department of the Interior
U.S. Geological Survey



Cover: Photo showing leafy bladderwort (*Utricularia foliosa*) on Nine Mile Pond Canoe Trail, Everglades National Park, Miami-Dade County, Florida. Photograph courtesy of Alan Cressler, December 25, 2008

Estimation of Missing Water-Level Data for the Everglades Depth Estimation Network (EDEN), 2013 Update

Matthew D. Petkewich and Paul A. Conrads

Prepared in cooperation with the

U.S. Geological Survey Greater Everglades Priority Ecosystems Science

Open-File Report 2013–1251

U.S. Department of the Interior
U.S. Geological Survey

U.S. Department of the Interior
SALLY JEWELL, Secretary

U.S. Geological Survey
Suzette M. Kimball, Acting Director

U.S. Geological Survey, Reston, Virginia: 2013

Suggested citation:
Petkewich, M.D., and Conrads, P.A., 2013, Estimation of missing water-level data for the Everglades Depth Estimation Network (EDEN), 2013 update: U.S. Geological Survey Open-File Report 2013–1251, 45 p.

Contents

Figures

Table

Conversion Factors

Inch/Pound to SI

Multiply	By	To obtain
	Length	
foot (ft)	0.3048	meter (m)

SI to Inch/Pound

Multiply	By	To obtain
	Length	
meter (m)	3.281	foot (ft)

Acronyms and Abbreviations

BCNP	Big Cypress National Preserve
CERP	Comprehensive Everglades Restoration Plan
EDEN	Everglades Depth Estimation Network
ENP	Everglades National Park
GIS	geographic information system
ME	mean error
NAVD 1988	North American Vertical Datum of 1988
NGVD 1929	National Geodetic Vertical Datum of 1929
NWIS	National Water Information System
P1	Predictor 1
P2	Predictor 2
P3	Predictor 3
PME	percent model error
R	Pearson correlation coefficient
R^2	coefficient of determination
RBF	radial basis function
RMSE	root mean square error
SFWMD	South Florida Water Management District
USGS	U.S. Geological Survey
WCA	water conservation area

Estimation of Missing Water-Level Data for the Everglades Depth Estimation Network (EDEN), 2013 Update

By Matthew D. Petkewich and Paul A. Conrads

Abstract

The Everglades Depth Estimation Network is an integrated network of real-time water-level gaging stations, a ground-elevation model, and a water-surface elevation model designed to provide scientists, engineers, and water-resource managers with water-level and water-depth information (1991–2013) for the entire freshwater portion of the Greater Everglades. The U.S. Geological Survey Greater Everglades Priority Ecosystems Science provides support for the Everglades Depth Estimation Network in order for the Network to provide quality-assured monitoring data for the U.S. Army Corps of Engineers Comprehensive Everglades Restoration Plan. In a previous study, water-level estimation equations were developed to fill in missing data to increase the accuracy of the daily water-surface elevation model. During this study, those equations were updated because of the addition and removal of water-level gaging stations, the consistent use of water-level data relative to the North American Vertical Datum of 1988, and availability of recent data (March 1, 2006, to September 30, 2011). Up to three linear regression equations were developed for each station by using three different input stations to minimize the occurrences of missing data for an input station. Of the 667 water-level estimation equations developed to fill missing data at 223 stations, more than 72 percent of the equations have coefficients of determination greater than 0.90, and 97 percent have coefficients of determination greater than 0.70.

Introduction

The Everglades Depth Estimation Network (EDEN) project was initiated to provide scientists working on the restoration of the Everglades with spatially continuous quality-assured and quality-controlled hydrologic data at any location within the freshwater part of the Greater Everglades. The EDEN is an integrated network of real-time water-level gaging stations, a ground-elevation model, and a water-surface elevation model designed to provide scientists, engineers, and water-resource managers with current (1991–2013) water-level and water-depth information for the entire freshwater portion of the Greater Everglades (Telis, 2005, 2006). The EDEN is presented on a grid consisting of more than fifty-thousand grid cells and offers a consistent and documented dataset that can be used by scientists and water-resource managers to (1) guide large-scale field operations, (2) integrate hydrologic and ecological data and analyses, and (3) support biological and ecological restoration assessments that measure ecosystem responses to the Comprehensive Everglades Restoration Plan (U.S. Army Corps of Engineers, 1999). In addition, EDEN, with the integration of real-time data and models, provides opportunities for real-time evaluation of water-level conditions and water-resource management operation.

To estimate water depths in the Greater Everglades, geographic information system (GIS) models have been developed to determine the ground elevation and water-surface elevation for the freshwater portion of the Everglades. The water-depth estimates are the differences between the two surfaces. Data to support the ground-elevation model include land-surface elevation measurements at 400-meter (m) intervals at more than 50,000 sites (Desmond, 2003). Data to support the water-surface model include continuous water levels at 247 stations (fig. 1). The water-level gaging stations include 223 stations that are used to create water-surface elevation maps using the water-surface model and 24 stations (predictor sites) that are not used specifically for production of the water-surface maps, but can be used to estimate the water levels at the 223 stations, as necessary. Recently (2011–2013), 18 gaging stations that had been used in the model at one time have been discontinued by the operating agencies.

For the development of the ground-elevation model (Jones and Price, 2007a; Xie and others, 2011; Jones and others, 2012), the EDEN domain was divided into a large number of equal-sized 400- x 400-m cells that in total are referred to as the "grid" (Jones and Price, 2007b). The grid includes information on the characteristics of each cell, such as the centroid location, the area of the Everglades it represents, the average elevation, and the percentage of vegetation type

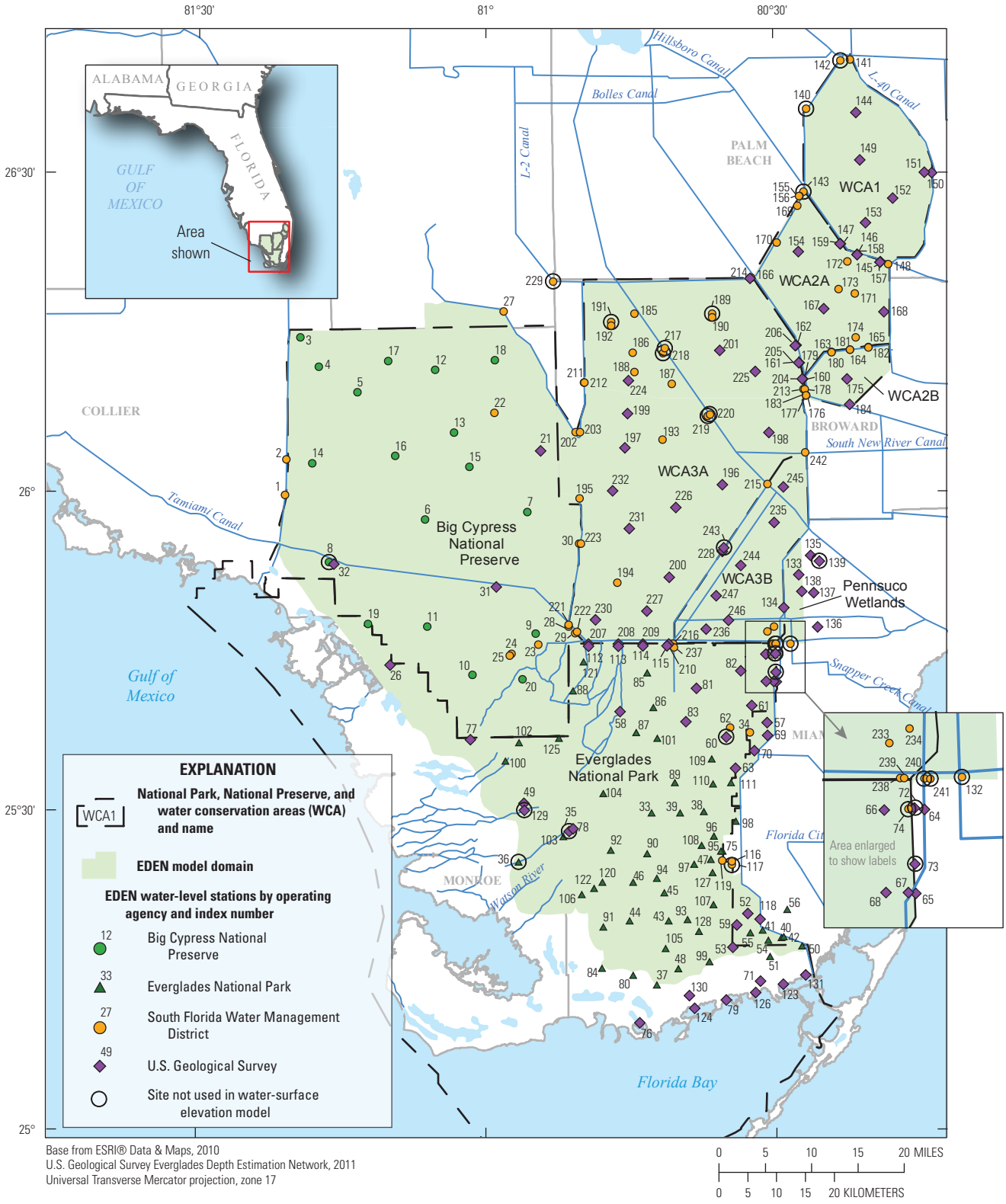


Figure 1. Location of the 247 water-level stations used in the Everglades Depth Estimation Network surface-water model or used to estimate missing water-level data for stations in the surface-water model. The EDEN model domain is the freshwater part of the Greater Everglades.

(open water/slough, wet prairie, sawgrass, upland, exotic, and other). This large number of highly accurate elevation data allowed for further refinement of the ground-elevation model. The geostatistical technique of kriging was selected for the EDEN ground-elevation model following extensive testing of multiple interpolation techniques. To account for variations within subregions of the EDEN area, individual geostatistical models were created for each water conservation area (WCA), the Everglades National Park (ENP), and portions of Big Cypress National Preserve (BCNP). These individual models were combined to create a single, 400-m-resolution ground-elevation model for the EDEN domain (fig. 2).

A water-surface elevation model for the freshwater portion of the EDEN domain was developed in a GIS using the

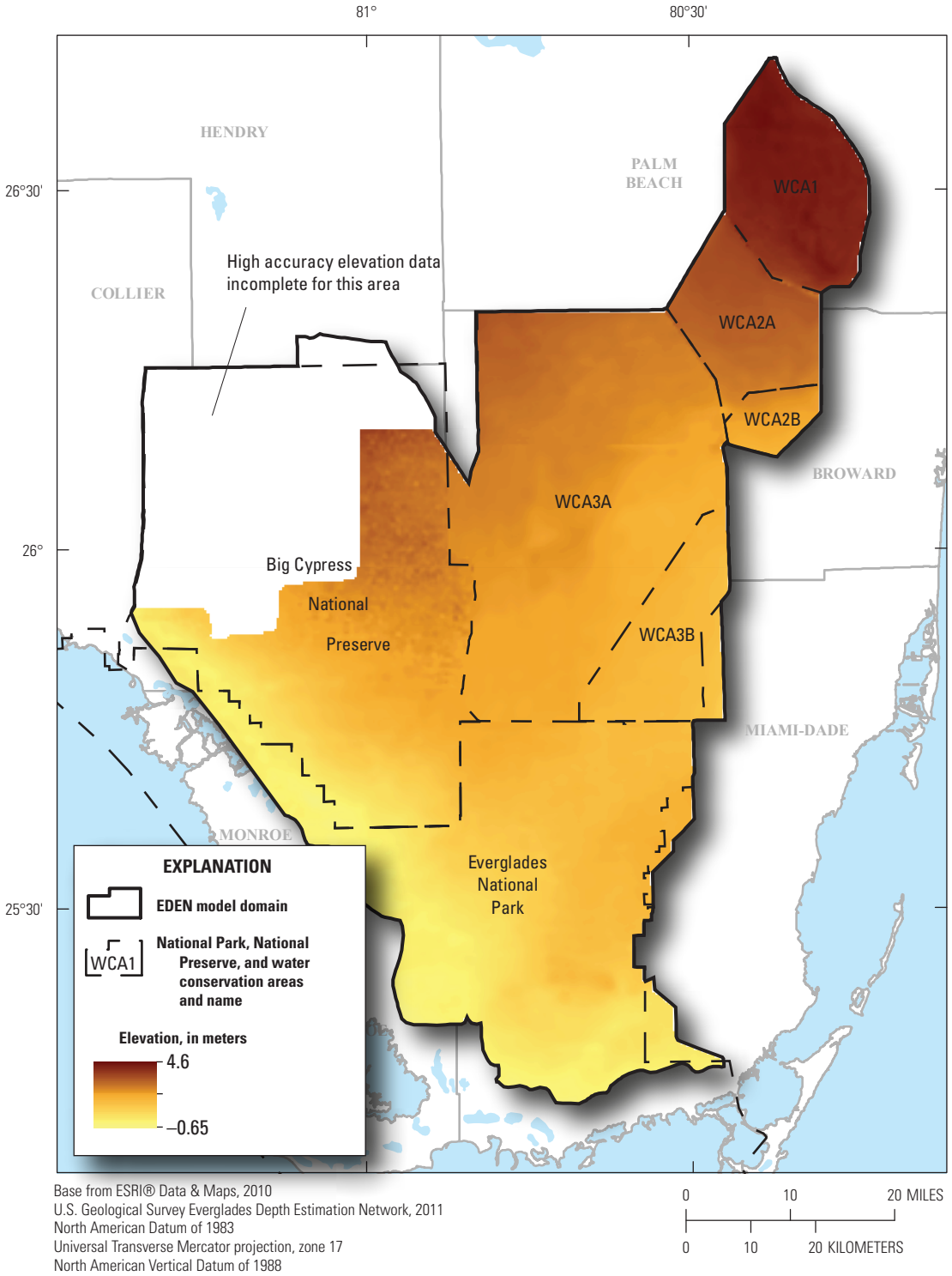


Figure 2. Everglades Depth Estimation Network digital elevation model.

EDEN grid described above for the ground-elevation model (Pearlstine and others, 2007; Palaseanu and Pearlstine, 2008). The EDEN water-surface model interpolates measured daily water levels from 223 stations in the EDEN continuous monitoring network to the 400- x 400-m cells of the grid by using radial basis functions (RBF) with multiquadric regression. The model produces a continuous water surface for any day within the period of record in the EDEN database. Examples of the water surface for two sample days are shown in figure 3.

Often, data for the 223-station network may be missing because of instrumentation failure or telemetry transmission problems. In addition, 13 stations currently (May 2013) do not have telemetry for real-time transmission of data. When data from a particular station are missing, the water-surface model does not use that station for generating the water-surface map for that day. The quality of the water-surface maps, therefore, can be diminished depending on the number of stations with missing data and the locations of those stations. To increase the accuracy of the daily water surface, water-level estimation equations were developed to fill missing data (Conrads and Petkewich, 2009). The original equations were developed in 2009 and used water-level data (January 2000 through August 2008) referenced to the same datum used for the specific site's data in the National Water Information System (NWIS) database (either the National Geodetic Vertical Datum of 1929 [NGVD 1929] or the North American Vertical Datum of 1988 [NAVD 1988]). Using the correct datum for the input variables was critical to compute accurate estimation of water level. For each station, one to four linear regression equations were developed to estimate missing data for the station.

Since the development of the equations in 2009, the EDEN data management and the gaging station network have undergone two substantial changes. The NWIS database was the EDEN's principal database, but now a separate EDEN database is used that can export all of the water-level data referenced to the vertical datum of NAVD 1988. With all data referenced to one datum, the need for two datums to estimate water levels was eliminated. In addition, since 2009,

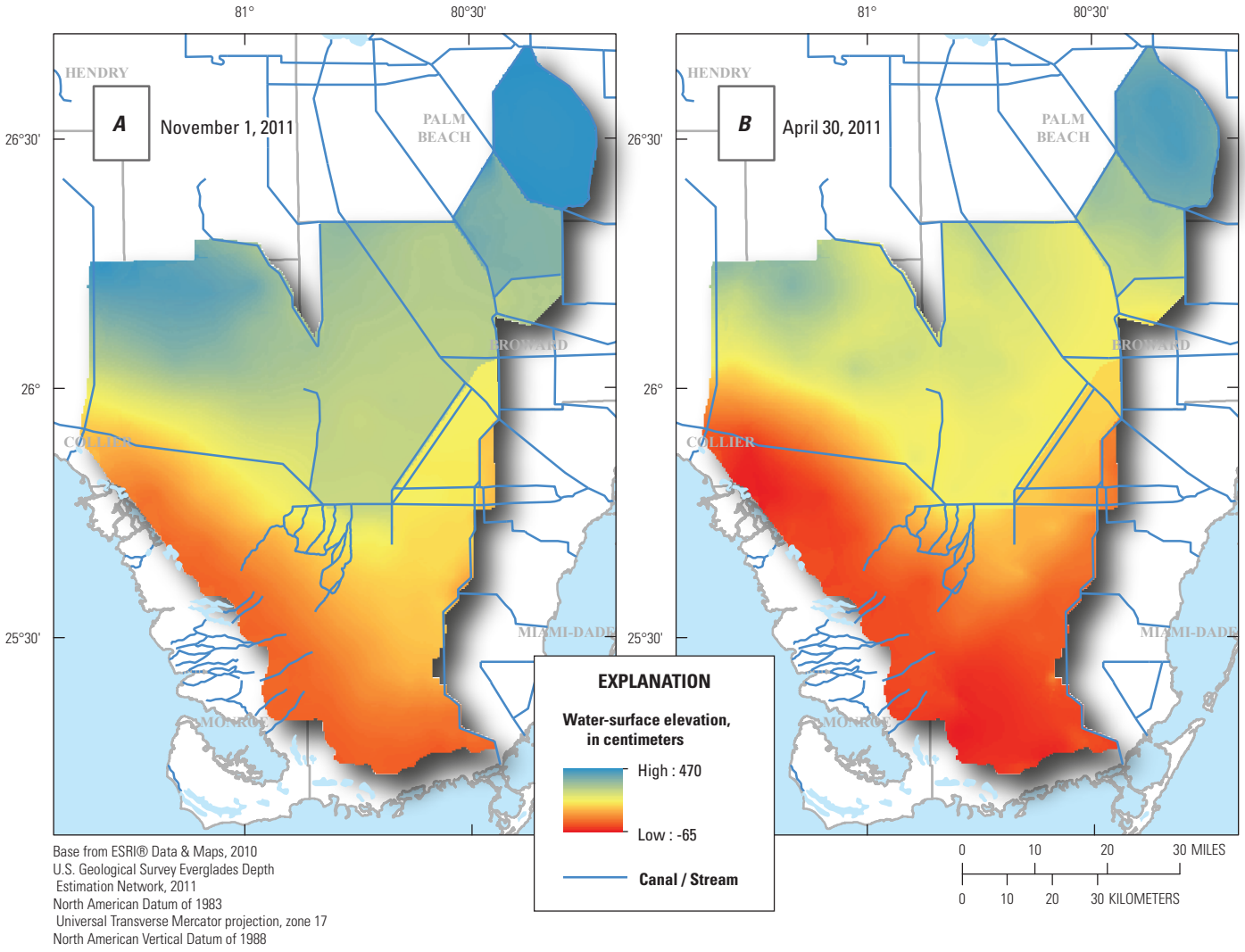


Figure 3. Example of Everglades Depth Estimation Network water-surface map for a wet season day and a dry season day.

stations have been added to or removed from the EDEN. Because of these changes, new equations were developed using the current list of stations in the EDEN. Equations were developed using available data from March 1, 2006, to September 30, 2011. This specific period of time was selected for the development of the equations because data for this period had undergone all quality-assurance steps required by the operating agencies maintaining the gages. In addition, this period of time was selected based on break-point analysis, which indicated that this time period represented a period of uniform hydrologic behavior (Conrads and Benedict, 2013). Use of a period of record that spans periods of changing hydrologic behavior would decrease the ability of the equations to accurately predict recent missing data.

Purpose and Scope

The purpose of this report is to present updated water-level estimation equations and performance statistics for the gaging stations used in the EDEN water-surface elevation model. The development of the estimation equations was documented in a previously published report (Conrads and Petkewich, 2009). Sections of that report are updated in this report. For this report, the freshwater portion of the Greater Everglades (EDEN study area) includes BCNP, ENP, WCA1, WCA2, and WCA3 (fig. 1). The freshwater portion of the Greater Everglades is the area upstream of the coastal oligohaline wetlands as defined in the Comprehensive Everglades Restoration Plan (CERP; RECOVER, 2004). The temporal extent of the data used for the development of the equations is from March 1, 2006, to September 30, 2011. An important role of the USGS mission is to provide scientific information for the effective management of the Nation's water resources. The techniques presented in this report demonstrate how existing databases of continuous time-series data can be compiled and analyzed to assist researchers and resource managers to better understand complex natural systems and, therefore, better manage the resources of those systems. In particular, these techniques demonstrate how water-level data collected by various agencies can be integrated and used to minimize the amount of missing record. The techniques are readily applicable to other natural systems for evaluation and estimation of historical time-series data.

Description of Study Area

The Everglades is a vast wetland consisting of approximately 2.9 million acres covering much of southern Florida (fig. 1). The geographical extent for this report includes BCNP, ENP, WCA1, WCA2, and WCA3 as illustrated in figure 1. The Everglades primarily consist of peat soils and tall sawgrass that are interspersed with slightly raised tree islands covered by shrubs and woody vegetation (McPherson and others, 1995). Historically, the Everglades were an uninterrupted wetland that extended from Lake Okeechobee and flowed to the southwestern tip of Florida (Richardson and others, 1990). During the annual wet season (from about May to October), water levels would rise and inundate most of the land, producing seasonal flows into the Florida Bay and the Gulf of Mexico. In contrast, during the dry season, water levels declined and were near land surface (McPherson and others, 1995). This hydrologic pattern helped produce and sustain the unique ecosystem of the Everglades.

From the mid-1800s to the late 1900s, the flow patterns, and thus the ecosystem, of the Everglades have been substantially altered. Beginning in the mid-1800s, wetlands began to be drained and used for agricultural purposes and urban development such that by the early 1990s, about 50 percent of the historic Everglades had been drained (McPherson and others, 1995). With population growth and increased agricultural production, flood mitigation and water use in South Florida became prominent concerns. To address those concerns, WCAs 1, 2, and 3 (fig. 1) were constructed by the U.S. Army Corps of Engineers in the 1940s with the goal of regulating water through an extensive series of levees and canals. In general, the WCAs store water during the wet season and supply water during the dry season. The combined effect of drained wetlands and water regulation introduced during the 1800s and 1900s diverts an estimated 40 percent of the water originally flowing through the Everglades (McPherson and others, 1995). The substantial changes in land use and flow patterns within the Everglades have had adverse environmental effects on the hydrology, water quality, and native plant and animal communities (McPherson and others, 1995). Since the late 1900s, through the collaboration of Federal, State, and private agencies, substantial focus has been given to mitigate these adverse effects and, where possible, to begin restoration of the ecosystem and ecological communities of the Everglades.

Data-Collection Network

The EDEN database is a MySQL server database that is composed of hourly water-level data from 247 gaging stations and includes marsh, river, or control structure stations (appendix 1) operated by the BCNP, ENP, the South Florida Water Management District (SFWMD), and the U.S. Geological Survey (USGS). In this report, the names of the EDEN stations follow the naming convention used by EDEN (*http://sofia.usgs.gov/eden/explanation.php#stationname*) and are generally similar to the names used by the agency that maintains the station. The datasets used to generate water-level surfaces with the EDEN water-surface elevation model are available on the EDEN Web page on the South Florida Information Access Web site—*http://sofia.usgs.gov/eden/index.php*.

Water-level data provided by the operating agencies use either NGVD 1929 or NAVD 1988. Data from BCNP, ENP, and SFWMD use NGVD 1929 and are converted to NAVD 1988 when loaded into the EDEN database. The datum for the USGS-operated stations are station specific

and are stored in the EDEN database using the same datum that is used by the USGS and converted to NAVD 1988 when exported from the database for use in the water-surface elevation model.

Estimation of Water-Level Data

Water-level estimation equations are in the form of $y = mx+b$, where y is the estimated value, m is the slope, x is the value from the input ("predictor") station, and b is the y-intercept. The procedure used to develop estimation equations is described in detail in Conrads and Petkewich (2009). The equations that are presented in this report were developed by using daily water-level data from March 1, 2006, to September 30, 2011, and can be used to estimate daily or hourly values.

The estimation of missing water-level data for the 223 stations used in the water-surface-elevation model is computed within a Microsoft Access® database (Conrads and Petkewich, 2009) after the data are retrieved from the individual agencies and prior to generating daily water-surface maps. Currently (May 2013), all water-level data stored in the EDEN database are referenced to NAVD 1988 except for data for 62 USGS stations that are referenced to NGVD 1929. Equations that included data from any of these 62 stations were programmed within the Microsoft Access® database using appropriate datum conversion factors so that estimates of missing data were accurate for each specific station. For example, equations stored in the Microsoft Access® database for a station (y) with an NAVD 1988 datum and that uses a station (x) having an NGVD 1929 datum include the factor converting the station x data from NGVD 1929 to NAVD 1988 prior to using the estimation equation for estimating missing data. All data stored in the EDEN database include a data field indicating whether the data were measured or estimated. Data exported from the EDEN database and used in the creation of the EDEN water-surface maps use a common NAVD 1988.

The 667 water-level estimation equations are presented in appendix 2 and are listed by station name in alphanumerical order. For each station, one to three estimation equations are listed in appendix 2 (predictors—P1, P2, and P3) along with the values for the slope and y-intercept. Descriptive statistics for the stations and measures of prediction accuracy for the estimation equations also are listed. Descriptive statistics include minimum, maximum, mean, median, range, standard deviation, sample variance, and number of observations of the daily water-surface elevations for the period of record analyzed. The goodness-of-fit statistics presented in appendix 2 for the 667 equations are the Pearson correlation coefficient (R), coefficient of determination (R^2), root mean square error (RMSE), standard error, and percent model error (PME, computed as the RMSE divided by the range of the measured data).

Each statistic measures a different aspect of the accuracy of the prediction equations. Estimation accuracy commonly is reported in terms of R^2 and is interpreted as the goodness-of-fit of an equation or model. A second interpretation may answer the question, "How much information does one variable or a group of variables provide about the behavior of another variable?" In the first context, an $R^2 = 0.6$ might be disappointing, whereas in the latter, it is merely an accounting of how much information is shared by the variables being used.

The standard error is the measure of the scatter of the actual observations about the regression line and is the standard deviation of the error of the predicted values in the regression. The standard error can be used to compute confidence intervals for the predictions.

The mean error (ME) and RMSE statistics provide a measure of the prediction accuracy of the estimation equations. The ME is a measure of the bias of model predictions—whether the model over- or underpredicts the measured data. The ME is the overall adjustment of the estimated values required to equal the measured values; therefore, positive and negative MEs indicate an over- or underprediction bias by the model, respectively. MEs near zero may be misleading because negative and positive discrepancies in the simulations can cancel each other. RMSEs address the limitations of ME by computing the magnitude, rather than the direction (sign) of the discrepancies. The units of the ME and RMSE statistics are the same as the variable simulated by the model. ME and percent model bias (ME divided by the mean observed value) were essentially zero for all equations and, therefore, are not included in the goodness-of-fit statistics. ME and percent model bias equal zero because simple linear regression equations, such as those described in this report, inherently minimize the sum of the residuals (error) between the estimates and the measured data. The sum of the residuals, and therefore, ME, are zero for all stations.

The accuracy of the models, as given by RMSE, should be evaluated with respect to the range of the output variable. A model may have a low RMSE, but if the range of the output variable is small, the model may only be accurate for a limited range of conditions and the model error may be a relatively large percentage of the model response. Likewise, a model may have a large RMSE, but if the range of the output variable is large, the model error may be a relatively small percentage of the total model response. The PME is computed by dividing the RMSE by the range of the measured data.

The selection and order of the estimation equations generally were based on the overall goodness-of-fit represented by R^2 and RMSE and the proximity of the input station to the station of interest. In some instances, estimation equations were selected because the input station allowed fitting a particular part of the year (wet season or dry season) better than all other stations. The areas where the station and input stations are located also are listed in appendix 2. For some stations, the P1 predictor may not be the adjacent input station because the goodness-of-fit statistics for the P1 station are better than the P2 or P3 stations. Station S140_H only has one estimation

equation because the correlations between station S140_H and all of the other EDEN stations are less than 50 percent and, therefore, provide poor estimates of S140_H water levels.

The following is an example of how to use appendix 2. Find the station of interest in appendix 2, for example S146_H, a marsh structure in Water Conservation Area 2A. The three input stations, or predictors, are S145_H, S144_H, and WCA2U1 and are listed as P1, P2, and P3, respectively. If needed, use the datum correction value located in appendix 1 to convert the input station data to NAVD 1988. The three estimation equations are

$$P1: Y_{estimated} = 1.016\ (X_{S145\_H}) - 0.163,$$

$$P2: Y_{estimated} = 1.033\ (X_{S144\_H}) - 0.290, \text{ and}$$

$$P3: Y_{estimated} = 1.155\ (X_{WCA2U1}) - 1.884.$$

The $Y_{estimated}$ station is S146_H, and X is the input (predictor) station. To estimate missing water-level data from station S146_H, the equation for the first predictor station P1 (S145_H) is used with measured data from S145_H. In the event that the data for S145_H also are missing, then the equation for predictor station P2 (station S144_H) is used to estimate the missing water-level data using data from station S144_H. In the event that data for both S145_H and S144_H are missing, the equation and data for predictor station P3 (WCA2U1) are used. If all predictor stations are missing, no estimate is computed.

The R^2s for the three estimation equations are 0.997, 0.992, and 0.954, respectively. The RMSEs for the equations range from 0.058 to 0.208 foot. The percent model error is less than 4 percent for each of the three predictor equations, and all three predictor stations are located in Water Conservation Area 2 (appendix 2). The measured and estimated water levels for station S146_H are shown in figure 4.

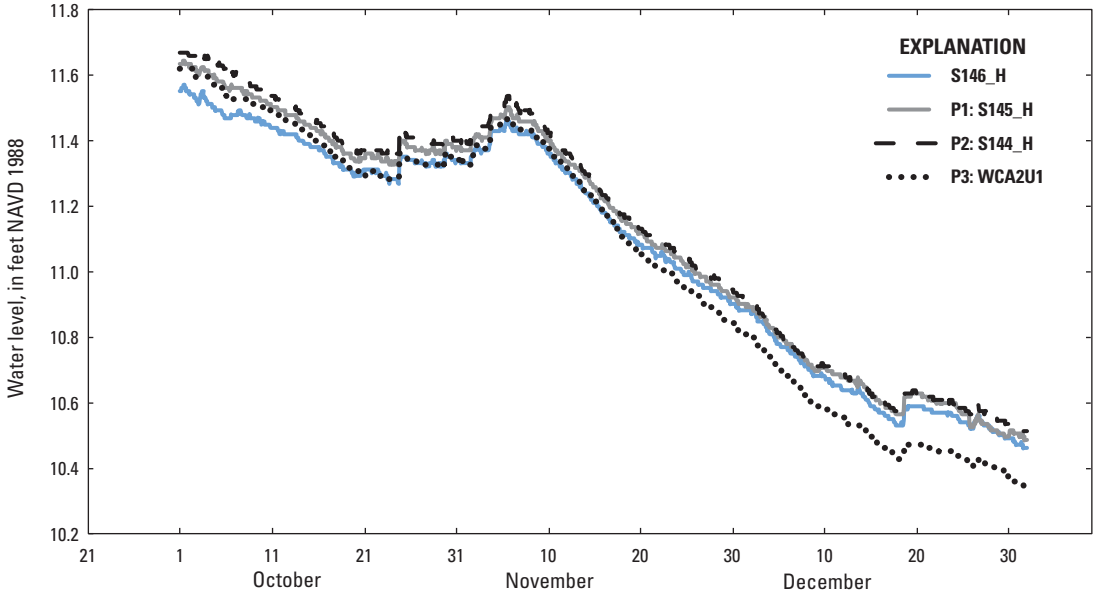


Figure 4. Graph showing measured and estimated water level for station S146_H for the period October 1, 2010, to December 31, 2010.

The majority of the water-level estimation equations provide good estimates for missing values. Figure 5 shows the exceedance frequencies of the R^2s for the P1, P2, and P3 estimation equations and the cumulative frequency for all 667 predictor equations. More than 99 percent of the 223 P1 equations have R^2s greater than 0.70 and over 83 percent have R^2s greater than 0.90. Fifty percent of all 667 equations have R^2s greater than 0.95, more than 72 percent (484 equations) have R^2s greater than 0.90, and more than 97 percent (647 equations) have R^2s greater than 0.70. Summary statistics including minimum, median, and maximum observed water-level values for all 667 equations are listed in table 1. Caution should be used when using equations with particularly poor performance statistics.

Table 1. Minimum, median, and maximum values for the summary statistics for 667 water-level estimation equations.

[R^2, coefficient of determination; RMSE, root mean square error]

Statistic	Minimum	Median	Maximum
R^2	0.292	0.949	1.000
RMSE	0.013	0.165	1.036
Standard error	0.010	0.160	0.680
Percent model error	0.25%	4.3%	20.3%

Summary and Discussion

The Everglades Depth Estimation Network (EDEN) is an integrated network of real-time water-level gaging stations, a ground-elevation model, and a water-surface elevation model. The network provides scientists, engineers, and water-resource managers with water-level and water-depth information from 1991 to 2013 for the entire freshwater portion of the Greater Everglades. A spatially-continuous interpolated water surface across the Greater Everglades is generated from daily median water-level values by using the EDEN water-surface elevation model. Missing or erroneous data diminish the quality of the modeled water surfaces. To increase the accuracy of the daily water-surface model, an application was developed to estimate water levels to fill data gaps. Missing data were estimated by developing linear regression equations for each station. To minimize the inability to estimate data due to missing data from an input station, one to three regression equations were developed for each station by using different input stations. For each station, an order was established for the regression equation to be used to fill a data gap. The 667 equations, representing 223 stations, were incorporated into a database application that automatically estimates missing records. The performance statistics computed for each equation provides documentation of the goodness-of-fit of the equations. In addition, although the majority of the equations provide satisfactory estimations of water levels, the performance statistic provides a prioritization for identifying stations where improved equations are needed to provide more satisfactory water-level estimates.

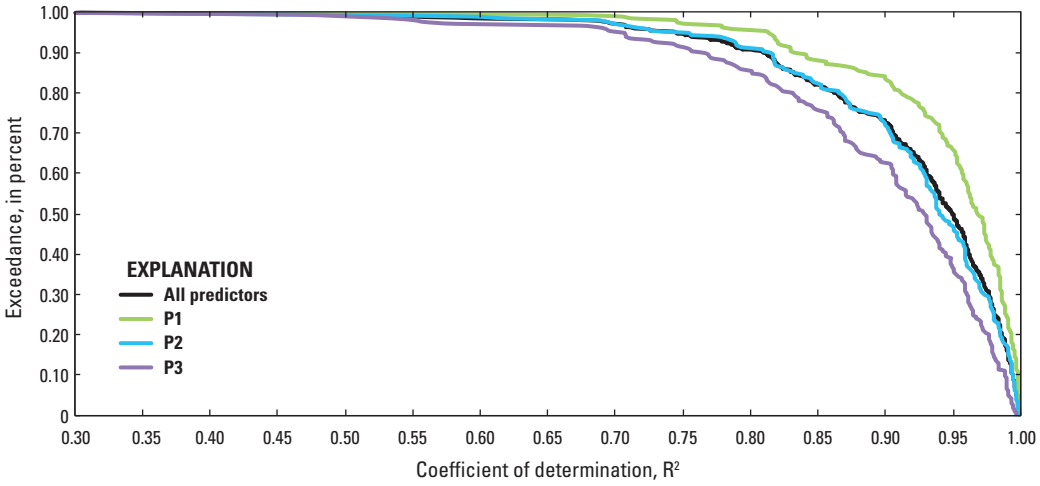


Figure 5. Graph showing exceedance percentage for coefficient of determination for first, second, third predictor, and all 667 predictor water-level estimation equations.

References Cited

Conrads, P.A., and Benedict, S.T., 2013, Analysis of changes in water-level dynamics at selected sites in the Florida Everglades: U.S. Geological Survey Scientific Investigations Report 2012–5286, 36 p., accessed July 25, 2013, at http://pubs.usgs.gov/sir/2012/5286.

Conrads, P.A., and Petkewich, M.D., 2009, Estimation of missing water-level data for the Everglades Depth Estimation Network (EDEN): U.S. Geological Survey Open-File Report 2009–1120, 53 p.

Desmond, G.D., 2003, Measuring and mapping the topography of the Florida Everglades for ecosystem restoration: U.S. Geological Survey Fact Sheet 021–03, 4 p.

Jones, J.W., Desmond, G.B., Henkle, C., and Glover, R., 2012, An approach to regional wetland digital elevation model development using a differential global positioning system and a custom-built helicopter-based surveying system: International Journal of Remote Sensing, v. 33, no. 2, p. 450–465.

Jones, J.W., and Price, S.D., 2007a, Everglades Depth Estimation Network (EDEN) digital elevation model research and development: U.S. Geological Survey Open-File Report 2007–1034, 29 p.

Jones, J.W., and Price, S.D., 2007b, Conceptual design of the Everglades Depth Estimation Network (EDEN) grid: U.S. Geological Survey Open-File Report 2007–1200, 20 p.

McPherson, B.F., Higer, A.L., Gerould, S., and Kantrowitz, I.H., 1995, South Florida Ecosystem Program of the U.S. Geological Survey: U.S. Geological Survey Fact Sheet FS-134-95, accessed June 19, 2012, at http://sofia.usgs.gov/publications/fs/134-95/index.html.

Palaseanu, M., and Pearlstine, L., 2008, Estimation of water surface elevations for the Everglades, Florida: Computers and Geosciences, doi:10.1016/j.cageo.2007.08.004.

Pearlstine, L., Higer, A., Palaseanu, M., Fujisaki, I., and Mazzotti, F., 2007, Spatially continuous interpolation of water stage and water depths using the Everglades Depth Estimation Network (EDEN): Gainesville, Fla., Institute of Food and Agriculture, University of Florida, CIR1521, 18 p., 2 apps.

RECOVER, 2004, CERP monitoring and assessment plan: Part 1—Monitoring and Supporting Research, REstoration Coordination and VERification Team (RECOVER): U.S. Army Corps of Engineers and South Florida Water Management District.

Richardson, J.R., Bryant, W.L., Kitchens, W.M., Mattson, J.E., and Pope, K.R., 1990, An evaluation of the refuge habitats and relationships to water quality, quantity, and hydroperiods—A synthesis report: Gainesville, Fla., Florida Cooperative Fish and Wildlife Research Unit, University of Florida.

Telis, P.A., 2005, Project description, South Florida Surface Water Monitoring Network for the Support of MAP Projects (known as EDEN, Everglades Depth Estimation Network), accessed October 2, 2007, at http://sofia.usgs.gov/projects/eden/.

Telis, P.A., 2006, The Everglades Depth Estimation Network (EDEN) for support of ecological and biological assessments: U.S. Geological Survey Fact Sheet 2006–3087, 4 p.

U.S. Army Corps of Engineers, 1999, Central and southern Florida project, comprehensive review study—Final integrated feasibility report and programmatic environmental impact statement: Jacksonville, Fla., variously paged, 4 annexes, 15 apps.

Xie, Z., Liu, Z., Jones, J.W., Higer, A.L., and Telis, P.A., 2011, Landscape unit based digital elevation model development for the freshwater wetlands within the Arthur C. Marshall Loxahatchee National Wildlife Refuge, Southeastern Florida: Applied Geography, v. 31, issue 2, p. 401–412.

Appendixes

Appendix 1. EDEN station, type of station, operating agency, vertical datum conversion, location, and water-surface model status sorted by area.

[EDEN, Everglades Depth Estimation Network; NWIS, National Water Information System; NGVD 1929, National Geodetic Vertical Datum of 1929; NAVD 1988, North American Vertical Datum of 1988; UTM, Universal Transverse Mercator; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; SFWMD, South Florida Water Management District; USGS, U.S. Geological Survey; °, degrees; ′, minutes; ″, seconds]

EDEN station name	Index number (see fig. 1)	Type of station (physical location of station)	Operating agency	Vertical datum conversion (NGVD 1929 to NAVD 1988)	Latitude	Longitude	UTM Easting, in meters	UTM Northing, in meters	Gage used in water-suface model?
Big Cypress National Preserve									
BARW4	1	Marsh	SFWMD	–1.37	25°59′41.57″	81°20′49.25″	465270.022	2875162.989	Yes
BARW6A	2	Marsh	SFWMD	–1.39	26°03′04.29″	81°20′40.7″	465524.177	2881398.550	Yes
BCA1	3	Marsh	BCNP	–1.39	26°14′33″	81°19′14″	467985.596	2902579.231	Yes
BCA2	4	Marsh	BCNP	–1.39	26°11′46″	81°17′19″	471164.524	2897434.259	Yes
BCA3	5	Marsh	BCNP	–1.39	26°09′24″	81°13′18″	477845.590	2893052.762	Yes
BCA4	6	Marsh	BCNP	–1.43	25°57′26″	81°06′14″	489599.276	2870950.611	Yes
BCA5	7	Marsh	BCNP	–1.46	25°58′06″	80°55′35″	507368.803	2872179.036	Yes
BCA8	8	Marsh	BCNP	–1.39	25°53′25″	81°16′13″	472926.090	2863560.772	No
BCA9	9	Marsh	BCNP	–1.5	25°46′42″	80°54′44″	508801.018	2851138.964	Yes
BCA10	10	Marsh	BCNP	–1.43	25°42′49″	81°01′19″	497798.554	2843968.889	Yes
BCA11	11	Marsh	BCNP	–1.43	25°47′21″	81°06′00″	489974.434	2852339.526	Yes
BCA12	12	Marsh	BCNP	–1.39	26°11′29″	81°05′12″	491340.702	2896882.120	Yes
BCA13	13	Marsh	BCNP	–1.39	26°05′35″	81°03′13″	494638.959	2885990.323	Yes
BCA14	14	Marsh	BCNP	–1.39	26°02′40″	81°18′00″	469987.921	2880640.293	Yes
BCA15	15	Marsh	BCNP	–1.42	26°02′23″	81°01′36″	497325.257	2880093.253	Yes
BCA16	16	Marsh	BCNP	–1.39	26°03′24″	81°09′20″	484432.601	2881978.748	Yes
BCA17	17	Marsh	BCNP	–1.36	26°12′18″	81°10′05″	483203.487	2898406.983	Yes
BCA18	18	Marsh	BCNP	–1.41	26°12′24″	80°58′59″	501686.055	2898580.730	Yes
BCA19	19	Marsh	BCNP	–1.41	25°47′35″	81°12′08″	479719.224	2852793.274	Yes
BCA20	20	Marsh	BCNP	–1.47	25°42′23″	80°56′05″	506542.122	2843182.064	Yes
EDEN_6	21	Marsh	USGS	–1.45	26°03′55″	80°54′14″	509613.256	2882916.516	Yes
L28_GAP	22	Marsh	SFWMD	–1.42	26°07′28″	80°59′00″	501659.440	2889475.269	Yes
LOOP1_T	23	Structure	SFWMD	–1.48	25°45′40″	80°54′28″	509241.256	2849228.291	Yes
LOOP2_H	24	Structure	SFWMD	–1.47	25°44′48″	80°57′14″	504624.731	2847630.735	Yes
LOOP2_T	25	Structure	SFWMD	–1.47	25°44′48″	80°57′15″	504601.423	2847616.897	Yes
MO-216	26	Marsh	USGS	–1.42	25°43′44.276″	81°09′51.595″	483516	2845679	Yes
S190_T	27	Structure	SFWMD	–1.57	26°16′60″	80°58′04″	503213.055	2907051.935	Yes
S343A_T	28	Structure	SFWMD	–1.54	25°47′20″	80°51′20″	514478.459	2852324.337	Yes
S343B_T	29	Structure	SFWMD	–1.53	25°46′41″	80°50′39″	515620.347	2851104.986	Yes
S344_T	30	Structure	SFWMD	–1.47	25°55′08″	80°50′12″	516353.546	2866724.152	Yes
Tamiami_Canal_40-Mile_Bend_to_Monroe	31	Marsh	USGS	–1.46	25°51′05″	80°58′50″	501948	2859226	Yes
Tamiami_Canal_Monroe_to_Carnestown	32	Marsh	USGS	–1.39	25°53′14.44″	81°15′42.61″	473771	2863234	Yes

Appendix 1. EDEN station, type of station, operating agency, vertical datum conversion, location, and water-surface model status sorted by area.—Continued

[EDEN, Everglades Depth Estimation Network; NWIS, National Water Information System; NGVD 1929, National Geodetic Vertical Datum of 1929; NAVD 1988, North American Vertical Datum of 1988; UTM, Universal Transverse Mercator; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; SFWMD, South Florida Water Management District; USGS, U.S. Geological Survey; °, degrees; ′, minutes; ″, seconds]

EDEN station name	Index number (see fig. 1)	Type of station (physical location of station)	Operating agency	Vertical datum conversion (NGVD 1929 to NAVD 1988)	Latitude	Longitude	UTM Easting, in meters	UTM Northing, in meters	Gage used in water-suface model?
Everglades National Park									
A13	33	Marsh	ENP	–1.51	25°29′50″	80°42′45″	528887.427	2820049.808	Yes
ANGEL	34	Marsh	SFWMD	–1.56	25°37′21.38″	80°32′30.207″	546009	2833971	Yes
Bottle_Creek_at_ Rookery_Branch	35	River	USGS	–1.51	25°28′04.72″	80°51′16.30″	514652.964	2816827.798	No
CN	36	River	ENP	–1.48	25°25′12″	80°56′32″	505785.445	2811458.529	No
CP	37	Marsh	ENP	–1.54	25°13′39″	80°42′14″	529818.807	2790185.111	Yes
CR2	38	Marsh	ENP	–1.52	25°29′55″	80°37′18″	538016.057	2820226.398	Yes
CR3	39	Marsh	ENP	–1.52	25°29′48″	80°39′46″	533884.832	2819999.994	Yes
CT27R	40	Marsh	ENP	–1.55	25°18′03″	80°29′19″	551472.277	2798370.432	Yes
CT50R	41	Marsh	ENP	–1.56	25°18′46″	80°31′15″	548223.823	2799681.092	Yes
CV5NR	42	Marsh	ENP	–1.55	25°18′08″	80°29′15″	551583.543	2798524.653	Yes
CY2	43	Marsh	ENP	–1.51	25°19′39″	80°40′58″	531919.142	2801262.927	Yes
CY3	44	Marsh	ENP	–1.51	25°19′40″	80°45′02″	525097.660	2801279.287	Yes
DO1	45	Marsh	ENP	–1.51	25°22′19″	80°41′27″	531097.059	2806182.406	Yes
DO2	46	Marsh	ENP	–1.51	25°23′18″	80°44′39″	525727.881	2807985.852	Yes
E112	47	Marsh	ENP	–1.51	25°25′26″	80°36′35″	539240.685	2811955.633	Yes
E146	48	Marsh	ENP	–1.54	25°15′09.20″	80°39′58.54″	533588.890	2793085.202	Yes
EDEN_3	49	Marsh	USGS	–1.47	25°30′43.65″	80°55′59.35″	506727.069	2821669.040	Yes
EP1R	50	Marsh	ENP	–1.55	25°17′14.892″	80°27′11.232″	555056.9	2796891.8	Yes
EPSW	51	Marsh	ENP	–1.53	25°16′17″	80°30′29″	549526.788	2795102.691	Yes
EVER4	52	Marsh	USGS	–1.57	25°20′19.5″	80°32′48.0″	545619.8	2802535.1	Yes
EVER5A	53	Marsh	USGS	–1.57	25°17′10″	80°34′21.2″	543033.1	2796697.6	Yes
EVER6	54	Marsh	ENP	–1.54	25°17′49″	80°30′41″	549180.859	2797931.268	Yes
EVER7	55	Marsh	ENP	–1.54	25°18′31″	80°32′32″	546072.444	2799212.195	Yes
EVER8	56	Marsh	ENP	–1.54	25°20′42″	80°28′42″	552487.899	2803265.091	Yes
G-596	57	Marsh	USGS	–1.55	25°38′16.8″	80°30′43.1″	548990	2835686	Yes
G-620	58	Marsh	USGS	–1.51	25°39′22″	80°45′59.2″	523441.4	2837621.9	Yes
G-1251	59	Marsh	USGS	–1.58	25°19′15.9″	80°33′56.7″	543705.7	2800572.4	Yes
G-1502	60	Marsh	USGS	–1.56	25°36′56.6″	80°34′58.6″	541873.1	2833194.5	No
G-3272	61	Marsh	USGS	–1.56	25°39′53.8″	80°32′20.1″	546274.5	2838660	Yes
G-3273	62	Marsh	SFWMD	–1.56	25°37′49.381″	80°34′33.21″	542575.9	2834820.4	Yes
G-3437	63	Marsh	USGS	–1.55	25°34′01.2″	80°34′01.5″	543483	2827804	Yes
G-3574	64	Marsh	USGS	–1.55	25°44′46.9″	80°29′52.4″	550358	2847691	Yes
G-3575	65	Marsh	USGS	–1.55	25°42′07.6″	80°29′46.3″	550547	2842792	Yes
G-3576	66	Marsh	USGS	–1.55	25°44′45.0″	80°30′51.3″	548717	2847627	Yes

Appendix 1. EDEN station, type of station, operating agency, vertical datum conversion, location, and water-surface model status sorted by area.—Continued

[EDEN, Everglades Depth Estimation Network; NWIS, National Water Information System; NGVD 1929, National Geodetic Vertical Datum of 1929; NAVD 1988, North American Vertical Datum of 1988; UTM, Universal Transverse Mercator; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; SFWMD, South Florida Water Management District; USGS, U.S. Geological Survey; °, degrees; ′, minutes; ″, seconds]

EDEN station name	Index number (see fig. 1)	Type of station (physical location of station)	Operating agency	Vertical datum conversion (NGVD 1929 to NAVD 1988)	Latitude	Longitude	UTM Easting, in meters	UTM Northing, in meters	Gage used in water-suface model?
Everglades National Park—Continued									
G-3577	67	Marsh	USGS	–1.55	25°42′09.4″	80°30′02.0″	550109	2842845	Yes
G-3578	68	Marsh	USGS	–1.55	25°42′10″	80°30′48″	548827	2842859	Yes
G-3626	69	Marsh	USGS	–1.55	25°37′06.93″	80°30′40.58″	549068	2833537	Yes
G-3628	70	Marsh	USGS	–1.55	25°35′38.83″	80°32′04.74″	546730	2830818	Yes
Joe_Bay_2E	71	River	USGS	–1.54	25°13′57.45″	80°31′29.52″	547898.045	2790715.763	Yes
L31N_1	72	Marsh	USGS	–1.56	25°44′46.8″	80°29′51.5″	550383	2847688.3	No
L31N_3	73	Canal	USGS	–1.56	25°43′03.3″	80°29′47.6″	550503.8	2844504.8	No
L31NN	74	Marsh	SFWMD	–1.56	25°44′46.526″	80°29′52.591″	550352.7	2847679.7	No
L31W	75	Marsh	ENP	–1.51	25°26′13″	80°35′23″	541247.546	2813407.335	Yes
McCormick_Creek_at_mouth	76	River	USGS	–1.52	25°10′05.50″	80°44′00.92″	527034.019	2783566.317	Yes
MO-214	77	Marsh	USGS	–1.45	25°36′44.10″	81°01′30.94″	497463.68	2832744.37	Yes
MO-215	78	Marsh	USGS	–1.52	25°28′20.65″	80°50′53.59″	515257.06	2817266.59	Yes
Mud_Creek_at_mouth	79	River	USGS	–1.54	25°12′11.89″	80°35′02.80″	541970.275	2787541.303	Yes
NCL	80	Marsh	ENP	–1.53	25°14′33″	80°44′40″	525730.637	2791837.675	Yes
NESRS1	81	Marsh	USGS	–1.53	25°41′31″	80°38′04″	536672.917	2841631.531	Yes
NESRS2	82	Marsh	USGS	–1.54	25°43′11″	80°33′26″	544745.076	2844886.160	Yes
NESRS4	83	Marsh	USGS	–1.52	25°38′24″	80°39′10″	534848.007	2836028.273	Yes
NMP	84	Marsh	ENP	–1.52	25°15′13.86″	80°47′53.268″	520328.6	2793072	Yes
NP201	85	Marsh	ENP	–1.51	25°43′00″	80°43′10″	528138.140	2844348.344	Yes
NP202	86	Marsh	ENP	–1.51	25°39′43″	80°42′31″	529238.279	2838290.997	Yes
NP203	87	Marsh	ENP	–1.51	25°37′22″	80°44′19″	526235.857	2833947.609	Yes
NP205	88	Marsh	ENP	–1.5	25°41′19″	80°50′52″	515267.347	2841220.576	Yes
NP206	89	Marsh	ENP	–1.53	25°32′39″	80°40′19″	532950.590	2825257.529	Yes
NP44	90	Marsh	ENP	–1.49	25°26′00″	80°43′13″	528120.541	2812973.576	Yes
NP46	91	Marsh	ENP	–1.51	25°19′06″	80°47′45″	520542.314	2800225.815	Yes
NP62	92	Marsh	ENP	–1.51	25°26′18″	80°46′58″	521834.874	2813515.566	Yes
NP67	93	Marsh	ENP	–1.51	25°19′46″	80°39′01″	535189.521	2801486.366	Yes
NP72	94	Marsh	ENP	–1.55	25°23′41″	80°42′11″	529861.827	2808701.836	Yes
NTS1	95	Marsh	ENP	–1.51	25°26′12″	80°35′34″	540940.391	2813375.636	Yes
NTS10	96	Marsh	ENP	–1.51	25°27′37″	80°36′18″	539703.665	2815986.475	Yes
NTS14	97	Marsh	ENP	–1.57	25°24′59″	80°38′19″	536337.725	2811116.973	Yes
NTS18	98	Marsh	ENP	–1.55	25°29′02″	80°33′59″	543576.931	2818613.069	Yes
OL	99	Marsh	ENP	–1.51	25°15′49″	80°36′47″	538956.665	2794206.886	Yes
OT	100	Marsh	ENP	–1.5	25°34′43″	80°57′52″	503563.886	2829031.627	Yes

Appendix 1. EDEN station, type of station, operating agency, vertical datum conversion, location, and water-surface model status sorted by area.—Continued

[EDEN, Everglades Depth Estimation Network; NWIS, National Water Information System; NGVD 1929, National Geodetic Vertical Datum of 1929; NAVD 1988, North American Vertical Datum of 1988; UTM, Universal Transverse Mercator; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; SFWMD, South Florida Water Management District; USGS, U.S. Geological Survey; °, degrees; ′, minutes; ″, seconds]

EDEN station name	Index number (see fig. 1)	Type of station (physical location of station)	Operating agency	Vertical datum conversion (NGVD 1929 to NAVD 1988)	Latitude	Longitude	UTM Easting, in meters	UTM Northing, in meters	Gage used in water-suface model?
Everglades National Park—Continued									
P33	101	Marsh	ENP	–1.51	25°36′50″	80°42′08″	529891.454	2832970.997	Yes
P34	102	Marsh	ENP	–1.5	25°36′27″	80°56′27″	505933.853	2832231.413	Yes
P35	103	Marsh	ENP	–1.51	25°27′35″	80°51′52″	513620.732	2815873.190	Yes
P36	104	Marsh	ENP	–1.51	25°31′38″	80°47′44″	520534.987	2823356.406	Yes
P37	105	Marsh	ENP	–1.51	25°17′03″	80°41′18″	531371.135	2796463.309	Yes
P38	106	Marsh	ENP	–1.51	25°22′10″	80°50′00″	516760.872	2805880.152	Yes
R127	107	Marsh	ENP	–1.57	25°21′11″	80°36′22″	539626.907	2804113.177	Yes
R3110	108	Marsh	ENP	–1.51	25°26′46″	80°37′34″	537585.658	2814411.647	Yes
RG1	109	Marsh	ENP	–1.52	25°34′53″	80°36′28″	539384.903	2829396.758	Yes
RG2	110	Marsh	ENP	–1.51	25°32′33″	80°36′21″	539592.961	2825090.995	Yes
RG3	111	Marsh	ENP	–1.57	25°32′39.696″	80°34′30.396″	542685	2825294	Yes
S12A_T	112	Structure	USGS	–1.51	25°45′41″	80°49′16″	517941.198	2849281.230	Yes
S12B_T	113	Structure	USGS	–1.51	25°45′42″	80°46′10″	523113.304	2849299.590	Yes
S12C_T	114	Structure	USGS	–1.51	25°45′42″	80°43′37″	527381.627	2849310.262	Yes
S12D_T	115	Structure	USGS	–1.52	25°45′42″	80°40′55″	531907.942	2849325.480	Yes
S175_H	116	Structure	SFWMD	–1.56	25°25′05″	80°34′26″	542862.358	2811294.509	Yes
S175_T	117	Structure	SFWMD	–1.56	25°25′03″	80°34′26″	542863.831	2811249.805	No
S18C_T	118	Structure	USGS	–1.56	25°19′49″	80°31′31″	547801.272	2800571.619	Yes
S332_T	119	Structure	SFWMD	–1.55	25°25′19″	80°35′26″	541180.000	2811722.300	Yes
SP	120	Marsh	ENP	–1.54	25°23′19″	80°47′50″	520390.779	2808007.486	Yes
SPARO	121	Marsh	ENP	–1.49	25°44′02.879″	80°49′44.552″	517147	2846252	Yes
SR1	122	Marsh	ENP	–1.53	25°22′43.68″	80°48′41.4″	518962.769	2806906.174	Yes
Stillwater_Creek	123	River	USGS	–1.54	25°13′41.88″	80°29′09.41″	551726.651	2790343.280	Yes
Taylor_River_at_mouth	124	River	USGS	–1.54	25°11′26.14″	80°38′20.59″	536376.844	2786171.796	Yes
TMC	125	Marsh	ENP	–1.49	25°36′50″	80°52′20″	512822.472	2832943.690	Yes
Trout_Creek_at_mouth	126	River	USGS	–1.54	25°12′53.66″	80°32′00.61″	547003.173	2788849.665	Yes
TSB	127	Structure	ENP	–1.51	25°24′10.7″	80°36′26.3″	539496.657	2809627.565	Yes
TSH	128	Marsh	ENP	–1.56	25°18′39″	80°37′50″	537180.091	2799430.863	Yes
Upstream_Broad_River	129	River	USGS	–1.47	25°30′04.65″	80°55′56″	506811.425	2820460.213	No
Upstream_Taylor_River	130	River	USGS	–1.54	25°12′37.07″	80°38′51.60″	535475.280	2788445.512	Yes
West_Highway_Creek	131	River	USGS	–1.54	25°14′31.59″	80°26′51.26″	555693.234	2791958.468	Yes

Appendix 1. EDEN station, type of station, operating agency, vertical datum conversion, location, and water-surface model status sorted by area.—Continued

[EDEN, Everglades Depth Estimation Network; NWIS, National Water Information System; NGVD 1929, National Geodetic Vertical Datum of 1929; NAVD 1988, North American Vertical Datum of 1988; UTM, Universal Transverse Mercator; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; SFWMD, South Florida Water Management District; USGS, U.S. Geological Survey; °, degrees; ′, minutes; ″, seconds]

EDEN station name	Index number (see fig. 1)	Type of station (physical location of station)	Operating agency	Vertical datum conversion (NGVD 1929 to NAVD 1988)	Latitude	Longitude	UTM Easting, in meters	UTM Northing, in meters	Gage used in water-suface model?
Pennsuco Wetlands									
G119_H	132	Structure	SFWMD	–1.59	25°45′40″	80°28′39″	552405.366	2849342.856	No
G-975	133	Marsh	USGS	–1.54	25°52′12.0″	80°27′23.3″	554455.233	2861399.992	Yes
G-1488	134	Marsh	USGS	–1.55	25°49′06.7″	80°28′56.4″	551887	2855689	Yes
G-3567	135	Marsh	USGS	–1.54	25°54′00.2″	80°26′09.0″	556509	2864737	Yes
G-3676	136	Marsh	USGS	–1.57	25°47′15.5″	80°25′25.9″	557763	2852293	Yes
G-3761	137	Marsh	USGS	–1.55	25°50′30.1″	80°26′00.7″	556768	2858275	Yes
G-3818	138	Marsh	USGS	–1.54	25°50′36.8″	80°27′04.3″	554996.252	2858473.611	Yes
NWWF	139	Marsh	USGS	–1.54	25°53′28″	80°25′13″	558093.502	2863794.891	No
Water Conservation Area 1									
G251_T	140	Marsh	SFWMD	–1.48	26°36′00.24″	80°26′23.18″	555695.902	2942262.398	No
G300_T	141	Structure	SFWMD	–1.48	26°40′37″	80°21′48″	563360.301	2950824.018	Yes
G301_T	142	Structure	SFWMD	–1.48	26°40′31″	80°22′49″	561649.234	2950621.874	No
G338_T	143	Marsh	SFWMD	–1.48	26°28′12.15″	80°26′43.26″	555285.814	2927858.866	No
NORTH_CA1	144	Marsh	USGS	–1.44	26°35′38″	80°21′13″	564356.194	2941626.139	Yes
S10A_H	145	Structure	USGS	–1.49	26°21′36″	80°18′45″	568592.553	2915744.442	Yes
S10C_H	146	Structure	USGS	–1.47	26°22′18″	80°21′09″	564597.907	2917008.867	Yes
S10D_H	147	Structure	USGS	–1.46	26°23′19″	80°22′54″	561683.299	2918858.313	Yes
S39_H	148	Structure	SFWMD	–1.54	26°21′21″	80°17′53″	570050.073	2915284.569	Yes
SITE_7	149	Marsh	USGS	–1.46	26°31′11″	80°20′49″	565061.878	2933415.386	Yes
SITE_8C	150	Marsh	USGS	–1.47	26°29′57.4″	80°13′19.6″	577474.798	2931309.203	Yes
SITE_8T	151	Marsh	USGS	–1.47	26°29′59″	80°14′05″	576266.93	2931241.7	Yes
SITE_9	152	Marsh	USGS	–1.48	26°27′35.3″	80°17′25.9″	570077.533	2927288.801	Yes
SOUTH_CA1	153	Marsh	USGS	–1.48	26°25′17.0″	80°20′16.3″	565752.408	2922897.266	Yes
Water Conservation Area 2A									
EDEN_11	154	Marsh	USGS	–1.45	26°22′35″	80°27′19″	553893.796	2918188.099	Yes
G339_H	155	Structure	SFWMD	–1.48	26°27′48″	80°27′09″	554571.678	2927121.843	Yes
G339_T	156	Structure	SFWMD	–1.48	26°27′48″	80°27′10″	554557.919	2927098.969	Yes
S10A_T	157	Structure	USGS	–1.49	26°21′33″	80°18′46″	568563.448	2915633.120	Yes
S10C_T	158	Structure	USGS	–1.47	26°22′16″	80°21′09″	564583.856	2916947.986	Yes
S10D_T	159	Structure	USGS	–1.46	26°23′18″	80°22′55″	561635.814	2918827.896	Yes
S11A_H	160	Structure	USGS	–1.48	26°10′37″	80°26′54″	555115.461	2895405.335	Yes
S11B_H	161	Structure	USGS	–1.48	26°12′09″	80°27′14″	554557.922	2898235.154	Yes
S11C_H	162	Structure	USGS	–1.48	26°13′47″	80°27′35″	553950.857	2901225.214	Yes
S144_H	163	Structure	SFWMD	–1.48	26°13′06″	80°23′52″	560158.677	2900008.912	Yes
S145_H	164	Structure	SFWMD	–1.48	26°13′19″	80°21′57″	563348.909	2900416.901	Yes

Appendix 1. EDEN station, type of station, operating agency, vertical datum conversion, location, and water-surface model status sorted by area.—Continued

[EDEN, Everglades Depth Estimation Network; NWIS, National Water Information System; NGVD 1929, National Geodetic Vertical Datum of 1929; NAVD 1988, North American Vertical Datum of 1988; UTM, Universal Transverse Mercator; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; SFWMD, South Florida Water Management District; USGS, U.S. Geological Survey; °, degrees; ′, minutes; ″, seconds]

EDEN station name	Index number (see fig. 1)	Type of station (physical location of station)	Operating agency	Vertical datum conversion (NGVD 1929 to NAVD 1988)	Latitude	Longitude	UTM Easting, in meters	UTM Northing, in meters	Gage used in water-suface model?
Water Conservation Area 2A—Continued									
S146_H	165	Structure	SFWMD	–1.48	26°13′32″	80°20′01″	566576.243	2900838.887	Yes
S7_T	166	Structure	SFWMD	–1.46	26°20′07″	80°32′12″	546248.382	2912887.485	Yes
SITE_17	167	Marsh	USGS	–1.49	26°17′12″	80°24′39″	558813.967	2907573.828	Yes
SITE_19	168	Marsh	USGS	–1.47	26°16′53.3″	80°18′23.9″	569272.038	2907133.427	Yes
WC2AN1	169	Marsh	SFWMD	–1.46	26°26′51.93″	80°27′21.92″	554225.819	2925386.420	Yes
WC2AS1	170	Marsh	SFWMD	–1.46	26°23′24.81″	80°29′33.08″	550618.602	2918999.539	Yes
WCA2E4	171	Marsh	SFWMD	–1.56	26°18′35″	80°21′23″	564236.973	2910153.081	Yes
WCA2F1	172	Marsh	SFWMD	–1.54	26°21′36″	80°22′11″	562878.889	2915714.735	Yes
WCA2F4	173	Marsh	SFWMD	–1.55	26°19′02″	80°23′05″	561404.793	2910969.930	Yes
WCA2U1	174	Marsh	SFWMD	–1.5	26°14′29″	80°21′21″	564330.063	2902585.567	Yes
Water Conservation Area 2B									
EDEN_13	175	Marsh	USGS	–1.53	26°10′35″	80°22′17″	562816.463	2895370.047	Yes
S141_H	176	Structure	SFWMD	–1.57	26°09′02″	80°26′32″	555755.440	2892486.864	Yes
S141_T	177	Structure	SFWMD	–1.57	26°09′03″	80°26′33″	555712.990	2892496.306	Yes
S142_T	178	Structure	SFWMD	–1.48	26°09′37″	80°26′41″	555489.713	2893542.979	Yes
S143_T	179	Structure	SFWMD	–1.49	26°10′34″	80°26′54″	555136.925	2895305.445	Yes
S144_T	180	Structure	SFWMD	–1.48	26°13′05″	80°23′52″	560164.601	2899975.541	Yes
S145_T	181	Structure	SFWMD	–1.48	26°13′18″	80°21′57″	563352.073	2900385.748	Yes
S146_T	182	Structure	SFWMD	–1.48	26°13′31″	80°20′00″	566581.413	2900799.442	Yes
S34_H	183	Structure	SFWMD	–1.5	26°09′02″	80°26′33″	555714.500	2892479.605	Yes
SITE_99	184	Marsh	USGS	–1.54	26°08′11.2″	80°22′01.5″	563276.527	2891044.000	Yes
Water Conservation Area 3A									
3A10	185	Marsh	SFWMD	–1.45	26°16′46″	80°44′23″	525980.050	2906666.287	Yes
3A11	186	Marsh	SFWMD	–1.45	26°13′06″	80°44′37″	525605.142	2899897.817	Yes
3A12	187	Marsh	SFWMD	–1.46	26°10′09″	80°40′32″	532417.152	2894468.134	Yes
3AN1W1	188	Marsh	SFWMD	–1.45	26°11′17″	80°44′24″	525972.578	2896545.474	Yes
3ANE	189	Marsh	SFWMD	–1.46	26°16′44″	80°36′17″	539459.069	2906638.870	No
3ANE_GW	190	Marsh	SFWMD	–1.46	26°16′44″	80°36′17″	539459.069	2906638.870	Yes
3ANW	191	Marsh	SFWMD	–1.4	26°16′00″	80°46′49″	521937.212	2905238.337	No
3ANW_GW	192	Marsh	SFWMD	–1.4	26°16′00″	80°46′49″	521937.212	2905238.337	Yes
3AS	193	Marsh	SFWMD	–1.47	26°04′55.534″	80°41′29.551″	531579.539	2884991.384	Yes
3AS3W1	194	Marsh	SFWMD	–1.5	25°51′27″	80°46′15″	522955.752	2859933.841	Yes
3ASW	195	Marsh	SFWMD	–1.47	25°59′24″	80°50′09″	516424.379	2874596.982	Yes
EDEN_12	196	Marsh	USGS	–1.49	26°00′42″	80°35′17″	541222.586	2877040.840	Yes
EDEN_14	197	Marsh	USGS	–1.47	26°04′10″	80°45′27″	524254.593	2883396.965	Yes

Appendix 1. EDEN station, type of station, operating agency, vertical datum conversion, location, and water-surface model status sorted by area.—Continued

[EDEN, Everglades Depth Estimation Network; NWIS, National Water Information System; NGVD 1929, National Geodetic Vertical Datum of 1929; NAVD 1988, North American Vertical Datum of 1988; UTM, Universal Transverse Mercator; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; SFWMD, South Florida Water Management District; USGS, U.S. Geological Survey; °, degrees; ′, minutes; ″, seconds]

EDEN station name	Index number (see fig. 1)	Type of station (physical location of station)	Operating agency	Vertical datum conversion (NGVD 1929 to NAVD 1988)	Latitude	Longitude	UTM Easting, in meters	UTM Northing, in meters	Gage used in water-suface model?
Water Conservation Area 3A—Continued									
EDEN_4	198	Marsh	USGS	–1.48	26°05′36″	80°30′25″	549305.169	2886113.293	Yes
EDEN_5	199	Marsh	USGS	–1.46	26°07′25″	80°45′10″	524715.520	2889396.583	Yes
EDEN_8	200	Marsh	USGS	–1.51	25°52′00″	80°40′50″	532005.360	2860957.077	Yes
EDEN_9	201	Marsh	USGS	–1.46	26°13′19″	80°35′32″	540732.670	2900327.206	Yes
L28S1	202	Marsh	SFWMD	–1.46	26°05′38″	80°50′34″	515715.505	2886100.826	Yes
L28S2	203	Marsh	SFWMD	–1.46	26°05′38″	80°50′05″	516521.067	2886101.819	Yes
S11A_T	204	Structure	USGS	–1.48	26°10′37″	80°26′57″	555030.782	2895390.867	Yes
S11B_T	205	Structure	USGS	–1.48	26°12′09″	80°27′18″	554456.545	2898221.280	Yes
S11C_T	206	Structure	USGS	–1.48	26°13′46″	80°27′39″	553853.047	2901210.422	Yes
S12A_H	207	Structure	USGS	–1.51	25°45′44″	80°49′16″	517940.034	2849363.574	Yes
S12B_H	208	Structure	USGS	–1.51	25°45′44″	80°46′10″	523115.619	2849372.194	Yes
S12C_H	209	Structure	USGS	–1.51	25°45′44″	80°43′37″	527382.653	2849386.199	Yes
S12D_H	210	Structure	USGS	–1.52	25°45′44″	80°40′54″	531912.896	2849401.658	Yes
S140_H	211	Structure	SFWMD	–1.45	26°10′18″	80°49′40″	517207.404	2894700.008	Yes
S140_T	212	Structure	SFWMD	–1.45	26°10′18″	80°49′38″	517275.034	2894702.874	Yes
S142_H	213	Structure	SFWMD	–1.48	26°09′36″	80°26′47″	555326.925	2893522.651	Yes
S150_T	214	Structure	SFWMD	–1.46	26°20′05″	80°32′22″	545964.122	2912820.628	Yes
S151_H	215	Structure	SFWMD	–1.54	26°00′42″	80°30′36″	549024.275	2877054.845	Yes
S333_H	216	Structure	SFWMD	–1.54	25°45′43″	80°40′27″	532668.149	2849372.816	Yes
S339_H	217	Structure	SFWMD	–1.45	26°13′04″	80°41′27″	530880.379	2899828.623	No
S339_T	218	Structure	SFWMD	–1.45	26°13′01″	80°41′25″	530927.838	2899756.023	No
S340_H	219	Structure	SFWMD	–1.34	26°07′09″	80°36′48″	538669.804	2888945.872	No
S340_T	220	Structure	SFWMD	–1.34	26°07′06″	80°36′45″	538735.436	2888851.650	No
S343A_H	221	Structure	SFWMD	–1.54	25°47′21″	80°51′19″	514522.218	2852358.686	Yes
S343B_H	222	Structure	SFWMD	–1.53	25°46′42″	80°50′38″	515652.049	2851135.295	Yes
S344_H	223	Structure	SFWMD	–1.47	25°55′08″	80°50′11″	516395.177	2866714.379	Yes
SITE_62	224	Marsh	USGS	–1.46	26°10′29″	80°45′04″	524865.169	2895066.730	Yes
SITE_63	225	Marsh	USGS	–1.47	26°11′20″	80°31′51″	546872.501	2896696.403	Yes
SITE_64	226	Marsh	USGS	–1.52	25°58′32″	80°40′09″	533109.962	2873028.913	Yes
SITE_65	227	Marsh	USGS	–1.58	25°48′50.0″	80°43′11.4″	528087.229	2855206.635	Yes
SITE_69W	228	Marsh	USGS	–1.52	25°54′24.7″	80°35′21.1″	541144.94	2865433.8	Yes
USSO_O[1]	229	Structure	SFWMD	–1.42	26°19′48.302″	80°52′55.228″	511775	2912245	No
W2	230	Marsh	USGS	–1.5	25°47′59″	80°48′32″	519158.290	2853518.554	Yes
W11	231	Marsh	USGS	–1.49	25°56′34″	80°45′00″	525031.575	2869370.755	Yes
W18	232	Marsh	USGS	–1.47	26°00′07″	80°46′44″	522127.954	2875917.892	Yes

Appendix 1. EDEN station, type of station, operating agency, vertical datum conversion, location, and water-surface model status sorted by area.—Continued

[EDEN, Everglades Depth Estimation Network; NWIS, National Water Information System; NGVD 1929, National Geodetic Vertical Datum of 1929; NAVD 1988, North American Vertical Datum of 1988; UTM, Universal Transverse Mercator; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; SFWMD, South Florida Water Management District; USGS, U.S. Geological Survey; °, degrees; ′, minutes; ″, seconds]

EDEN station name	Index number (see fig. 1)	Type of station (physical location of station)	Operating agency	Vertical datum conversion (NGVD 1929 to NAVD 1988)	Latitude	Longitude	UTM Easting, in meters	UTM Northing, in meters	Gage used in water-suface model?
Water Conservation Area 3B									
3BS1W1	233	Marsh	SFWMD	–1.55	25°46′50″	80°30′40″	549012.054	2851484.116	Yes
3B-SE	234	Marsh	SFWMD	–1.56	25°47′17″	80°29′58″	550178.692	2852319.048	Yes
EDEN_7	235	Marsh	USGS	–1.52	25°57′08″	80°29′55″	550198.509	2870488.890	Yes
EDEN_10	236	Marsh	USGS	–1.54	25°47′07″	80°37′02″	538377.058	2851960.827	Yes
S333_T	237	Structure	SFWMD	–1.54	25°45′42″	80°40′23″	532774.073	2849335.350	Yes
S334_H	238	Structure	SFWMD	–1.56	25°45′41″	80°30′10″	549864.367	2849342.306	Yes
S334_T	239	Structure	SFWMD	–1.56	25°45′41″	80°30′05″	549992.447	2849340.372	Yes
S336_H	240	Structure	SFWMD	–1.56	25°45′40″	80°29′50″	550405.970	2849339.799	No
S336_T	241	Structure	SFWMD	–1.56	25°45′40″	80°29′48″	550486.990	2849335.273	No
S9A_T	242	Structure	SFWMD	–1.4	26°03′41″	80°26′38″	555630.460	2882614.650	Yes
SITE_69E	243	Marsh	USGS	–1.66	25°54′24″	80°35′19.6″	541187.06	2865412.2	No
SITE_71	244	Marsh	USGS	–1.57	25°53′05″	80°33′24″	544405.467	2863003.279	Yes
SITE_76	245	Marsh	USGS	–1.5	26°00′28″	80°28′57″	551781.677	2876657.809	Yes
SRS1	246	Marsh	USGS	–1.54	25°47′55″	80°34′42″	542265.461	2853460.280	Yes
TI-9	247	Marsh	USGS	–1.53	25°50′14″	80°35′58″	540141.954	2857718.584	Yes

[1]Located northwest of Water Conservation Area 3A.

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
3A10	P1	S339_H	0.859	1.353	0.948	8.71	11.32	9.98	9.89	2.61	0.58	0.33	1672	0.900	0.183	0.170	7.02	WCA3	WCA3
3A10	P2	3A11	0.913	1.159	0.940	8.71	11.32	9.98	9.89	2.61	0.58	0.33	1672	0.884	0.190	0.180	7.27	WCA3	WCA3
3A10	P3	3ANW	0.965	–0.031	0.937	8.71	11.32	9.98	9.89	2.61	0.58	0.33	1672	0.878	0.193	0.180	7.38	WCA3	WCA3
3A11	P1	3AN1W1	0.986	0.211	0.979	8.37	11.21	9.66	9.55	2.84	0.57	0.33	1705	0.959	0.116	0.110	4.07	WCA3	WCA3
3A11	P2	SITE_62	0.914	0.869	0.968	8.37	11.21	9.66	9.55	2.84	0.57	0.33	1705	0.938	0.142	0.140	5.00	WCA3	WCA3
3A11	P3	3ANW_GW	0.969	–0.340	0.968	8.37	11.21	9.66	9.55	2.84	0.57	0.33	1705	0.937	0.136	0.130	4.77	WCA3	WCA3
3A12	P1	S339_T	0.902	0.879	0.992	7.07	11.12	9.06	9.04	4.04	0.71	0.50	1908	0.984	0.091	0.090	2.24	WCA3	WCA3
3A12	P2	S340_H	0.943	0.562	0.990	7.07	11.12	9.06	9.04	4.04	0.71	0.50	1908	0.980	0.100	0.100	2.48	WCA3	WCA3
3A12	P3	3ANE_GW	0.808	2.026	0.980	7.07	11.12	9.06	9.04	4.04	0.71	0.50	1908	0.961	0.142	0.140	3.51	WCA3	WCA3
3AN1W1	P1	SITE_62	0.891	1.020	0.986	8.02	11.26	9.50	9.44	3.24	0.63	0.40	1912	0.972	0.107	0.110	3.29	WCA3	WCA3
3AN1W1	P2	3A11	0.973	0.187	0.979	8.02	11.26	9.50	9.44	3.24	0.63	0.40	1912	0.959	0.115	0.110	3.55	WCA3	WCA3
3AN1W1	P3	3A12	0.883	1.496	0.966	8.02	11.26	9.50	9.44	3.24	0.63	0.40	1912	0.933	0.157	0.150	4.84	WCA3	WCA3
3ANE_GW	P1	3ANE	0.981	0.195	1.000	5.59	10.99	8.86	8.98	5.40	0.95	0.90	1206	1.000	0.013	0.010	0.25	WCA3	WCA3
3ANE_GW	P2	3A12	1.189	–2.057	0.980	5.59	10.99	8.86	8.98	5.40	0.95	0.90	1206	0.961	0.173	0.170	3.19	WCA3	WCA3
3ANE_GW	P3	EDEN_9	0.930	0.629	0.983	5.59	10.99	8.86	8.98	5.40	0.95	0.90	1206	0.967	0.121	0.120	2.23	WCA3	WCA3
3ANW_GW	P1	3ANW	0.994	0.047	0.999	6.22	11.84	10.13	10.45	5.62	1.14	1.30	1268	0.999	0.026	0.030	0.46	WCA3	WCA3
3ANW_GW	P2	3A11	0.967	0.992	0.968	6.22	11.84	10.13	10.45	5.62	1.14	1.30	1268	0.937	0.136	0.130	2.41	WCA3	WCA3
3ANW_GW	P3	SITE_62	1.172	–1.037	0.936	6.22	11.84	10.13	10.45	5.62	1.14	1.30	1268	0.877	0.400	0.370	7.12	WCA3	WCA3
3AS	P1	EDEN_14	1.042	–0.507	0.987	6.38	10.78	8.55	8.56	4.40	0.81	0.66	1905	0.975	0.093	0.090	2.11	WCA3	WCA3
3AS	P2	EDEN_5	1.073	–1.002	0.979	6.38	10.78	8.55	8.56	4.40	0.81	0.66	1905	0.959	0.132	0.130	3.01	WCA3	WCA3
3AS	P3	SITE_62	0.908	0.025	0.962	6.38	10.78	8.55	8.56	4.40	0.81	0.66	1905	0.925	0.224	0.216	5.10	WCA3	WCA3
3AS3W1	P1	SITE_65	0.959	0.512	0.992	5.89	10.02	7.99	7.96	4.12	0.68	0.46	2040	0.984	0.087	0.090	2.11	WCA3	WCA3
3AS3W1	P2	EDEN_8	0.850	1.231	0.992	5.89	10.02	7.99	7.96	4.12	0.68	0.46	2040	0.984	0.083	0.080	2.01	WCA3	WCA3
3AS3W1	P3	W11	0.896	0.683	0.983	5.89	10.02	7.99	7.96	4.12	0.68	0.46	2040	0.966	0.111	0.109	2.70	WCA3	WCA3
3ASW	P1	S344_H	0.941	0.699	0.980	6.87	10.48	8.53	8.57	3.61	0.73	0.53	1885	0.961	0.142	0.140	3.93	WCA3	WCA3
3ASW	P2	W18	0.988	0.168	0.962	6.87	10.48	8.53	8.57	3.61	0.73	0.53	1885	0.926	0.158	0.150	4.37	WCA3	WCA3
3ASW	P3	S151_H	0.754	2.479	0.960	6.87	10.48	8.53	8.57	3.61	0.73	0.53	1885	0.923	0.200	0.190	5.55	WCA3	WCA3
3BS1W1	P1	3B-SE	0.928	0.362	0.998	2.35	6.68	4.83	5.04	4.33	0.91	0.84	2019	0.996	0.052	0.050	1.21	WCA3	WCA3

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
3BS1W1	P2	EDEN_10	1.681	–4.924	0.963	2.35	6.68	4.83	5.04	4.33	0.91	0.84	2019	0.928	0.234	0.230	5.42	WCA3	WCA3
3BS1W1	P3	G-3576	0.913	0.573	0.954	2.35	6.68	4.83	5.04	4.33	0.91	0.84	2019	0.909	0.275	0.260	6.35	WCA3	ENP
3B-SE	P1	3BS1W1	1.073	–0.371	0.998	2.53	6.78	4.85	5.08	4.25	0.95	0.90	1980	0.996	0.056	0.060	1.32	WCA3	WCA3
3B-SE	P2	SRS1	1.519	–3.828	0.965	2.53	6.78	4.85	5.08	4.25	0.95	0.90	1980	0.931	0.250	0.240	5.89	WCA3	WCA3
3B-SE	P3	G-3576	1.078	–0.238	0.965	2.53	6.78	4.85	5.08	4.25	0.95	0.90	1980	0.931	0.249	0.240	5.84	WCA3	ENP
A13	P1	CR3	0.836	–0.022	0.975	–1.22	4.30	2.80	3.22	5.52	1.14	1.29	2038	0.950	0.255	0.250	4.61	ENP	ENP
A13	P2	NP206	0.865	–0.471	0.971	–1.22	4.30	2.80	3.22	5.52	1.14	1.29	2038	0.942	0.272	0.260	4.92	ENP	ENP
A13	P3	NP62	1.296	1.328	0.970	–1.22	4.30	2.80	3.22	5.52	1.14	1.29	2038	0.940	0.277	0.270	5.02	ENP	ENP
ANGEL	P1	G-3273	0.894	0.011	0.976	0.15	5.81	3.74	3.95	5.66	1.09	1.20	2040	0.953	0.239	0.230	4.22	ENP	ENP
ANGEL	P2	G-3272	0.921	–0.130	0.976	0.15	5.81	3.74	3.95	5.66	1.09	1.20	2040	0.953	0.237	0.230	4.19	ENP	ENP
ANGEL	P3	G-3676	1.523	0.167	0.951	0.15	5.81	3.74	3.95	5.66	1.09	1.20	2040	0.904	0.339	0.320	5.99	ENP	Pennsuco
BARW4	P1	BARW6A	1.090	–4.308	0.867	1.22	6.79	4.76	5.19	5.57	1.36	1.84	2016	0.751	0.674	0.580	12.10	BCNP	BCNP
BARW4	P2	BCA14	0.846	–2.143	0.786	1.22	6.79	4.76	5.19	5.57	1.36	1.84	2016	0.618	0.788	0.620	14.14	BCNP	BCNP
BARW4	P3	BCA16	1.241	–8.384	0.748	1.22	6.79	4.76	5.19	5.57	1.36	1.84	2016	0.559	0.792	0.590	14.23	BCNP	BCNP
BARW6A	P1	BCA14	0.712	2.529	0.912	5.06	9.68	8.33	8.78	4.63	1.07	1.15	2012	0.833	0.378	0.350	8.18	BCNP	BCNP
BARW6A	P2	G119_H	1.176	3.690	0.869	5.06	9.68	8.33	8.78	4.63	1.07	1.15	2012	0.755	0.539	0.470	11.65	BCNP	Pennsuco
BARW6A	P3	BARW4	0.689	5.041	0.867	5.06	9.68	8.33	8.78	4.63	1.07	1.15	2012	0.751	0.536	0.460	11.58	BCNP	BCNP
BCA1	P1	BCA2	0.750	4.188	0.906	11.24	15.49	13.32	13.65	4.26	1.19	1.43	1922	0.821	0.500	0.450	11.74	BCNP	BCNP
BCA1	P2	BCA17	1.516	–6.085	0.695	11.24	15.49	13.32	13.65	4.26	1.19	1.43	1922	0.483	0.837	0.580	19.68	BCNP	BCNP
BCA1	P3	BARW6A	0.823	6.367	0.681	11.24	15.49	13.32	13.65	4.26	1.19	1.43	1922	0.464	0.864	0.590	20.31	BCNP	BCNP
BCA2	P1	BCA1	1.094	–2.388	0.906	8.03	14.49	12.13	12.60	6.46	1.47	2.16	1977	0.821	0.603	0.550	9.34	BCNP	BCNP
BCA2	P2	BARW6A	1.176	2.257	0.833	8.03	14.49	12.13	12.60	6.46	1.47	2.16	1977	0.694	0.805	0.670	12.46	BCNP	BCNP
BCA2	P3	BCA3	1.244	–2.935	0.833	8.03	14.49	12.13	12.60	6.46	1.47	2.16	1977	0.694	0.817	0.680	12.65	BCNP	BCNP
BCA3	P1	LOOP2_T	1.078	6.735	0.864	7.74	13.52	12.11	12.41	5.77	0.98	0.96	2018	0.746	0.474	0.410	8.20	BCNP	BCNP
BCA3	P2	BCA13	0.715	4.339	0.846	7.74	13.52	12.11	12.41	5.77	0.98	0.96	2018	0.715	0.486	0.410	8.41	BCNP	BCNP
BCA3	P3	Tamiami_Canal_40-Mile_Bend_to_Monroe	0.752	7.488	0.853	7.74	13.52	12.11	12.41	5.77	0.98	0.96	2018	0.728	0.513	0.440	8.88	BCNP	BCNP

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
BCA4	P1	BCA8	0.994	5.986	0.882	4.16	8.25	6.68	7.17	4.09	1.17	1.36	2009	0.779	0.523	0.460	12.79	BCNP	BCNP
BCA4	P2	BCA5	1.160	–3.119	0.891	4.16	8.25	6.68	7.17	4.09	1.17	1.36	2009	0.794	0.523	0.470	12.79	BCNP	BCNP
BCA4	P3	BCA13	0.900	–3.112	0.869	4.16	8.25	6.68	7.17	4.09	1.17	1.36	2009	0.755	0.555	0.480	13.57	BCNP	BCNP
BCA5	P1	BCA18	0.630	1.114	0.901	6.61	9.86	8.47	8.79	3.25	0.88	0.78	2023	0.811	0.370	0.330	11.39	BCNP	BCNP
BCA5	P2	S190_T	0.820	0.746	0.903	6.61	9.86	8.47	8.79	3.25	0.88	0.78	2023	0.815	0.370	0.330	11.40	BCNP	BCNP
BCA5	P3	SPARO	0.740	4.502	0.933	6.61	9.71	8.61	8.88	3.10	0.80	0.65	1122	0.870	0.199	0.190	6.43	BCNP	ENP
BCA9	P1	LOOP2_H	0.949	1.029	0.937	3.60	7.47	5.92	6.09	3.87	0.76	0.58	1969	0.878	0.259	0.240	6.70	BCNP	BCNP
BCA9	P2	LOOP2_T	1.008	0.802	0.923	3.60	7.47	5.92	6.09	3.87	0.76	0.58	1969	0.852	0.294	0.270	7.61	BCNP	BCNP
BCA9	P3	SPARO	0.890	0.845	0.931	3.64	7.31	5.80	5.82	3.67	0.69	0.48	1023	0.867	0.264	0.250	7.19	BCNP	ENP
BCA10	P1	LOOP2_T	1.081	–2.939	0.951	–0.78	3.55	2.43	2.81	4.33	0.99	0.97	2040	0.905	0.262	0.250	6.05	BCNP	BCNP
BCA10	P2	SPARO	1.025	–3.445	0.948	–0.78	3.68	2.45	2.85	4.46	1.06	1.13	1127	0.899	0.254	0.240	5.70	BCNP	ENP
BCA10	P3	BCA11	0.744	0.192	0.934	–0.78	3.55	2.43	2.81	4.33	0.99	0.97	2040	0.873	0.351	0.330	8.11	BCNP	BCNP
BCA11	P1	Tamiami_Canal_40-Mile_Bend_to_Monroe	1.026	–3.303	0.917	–1.34	4.46	3.00	3.44	5.80	1.24	1.53	2040	0.841	0.495	0.450	8.54	BCNP	BCNP
BCA11	P2	BCA10	1.173	0.155	0.934	–1.34	4.46	3.00	3.44	5.80	1.24	1.53	2040	0.873	0.441	0.410	7.61	BCNP	BCNP
BCA11	P3	LOOP2_T	1.246	–3.147	0.916	–1.34	4.46	3.00	3.44	5.80	1.24	1.53	2040	0.840	0.408	0.370	7.04	BCNP	BCNP
BCA12	P1	BCA13	0.931	2.334	0.839	10.51	14.14	12.80	12.94	3.64	0.75	0.56	1750	0.704	0.405	0.340	11.15	BCNP	BCNP
BCA12	P2	BCA18	0.717	4.150	0.828	10.51	14.14	12.80	12.94	3.64	0.75	0.56	1750	0.686	0.424	0.350	11.67	BCNP	BCNP
BCA12	P3	L28_GAP	0.784	4.731	0.830	10.51	14.14	12.80	12.94	3.64	0.75	0.56	1750	0.688	0.406	0.340	11.17	BCNP	BCNP
BCA13	P1	L28_GAP	0.784	3.160	0.883	7.37	12.30	10.94	11.40	4.93	1.08	1.16	1997	0.779	0.372	0.330	7.55	BCNP	BCNP
BCA13	P2	BCA8	0.918	10.278	0.888	7.37	12.30	10.94	11.40	4.93	1.08	1.16	1997	0.789	0.444	0.390	9.00	BCNP	BCNP
BCA13	P3	BCA11	0.894	8.178	0.907	7.37	12.30	10.94	11.40	4.93	1.08	1.16	1997	0.822	0.453	0.410	9.20	BCNP	BCNP
BCA14	P1	BCA16	1.284	–5.369	0.925	5.04	9.98	8.31	8.81	4.94	1.19	1.41	1827	0.856	0.388	0.360	7.86	BCNP	BCNP
BCA14	P2	BARW6A	1.170	–1.569	0.912	5.04	9.98	8.31	8.81	4.94	1.19	1.41	1827	0.833	0.485	0.440	9.82	BCNP	BCNP
BCA14	P3	BCA13	1.063	–3.381	0.883	5.04	9.98	8.31	8.81	4.94	1.19	1.41	1827	0.780	0.549	0.490	11.13	BCNP	BCNP
BCA15	P1	EDEN_6	0.893	1.580	0.863	9.35	11.21	10.21	10.30	1.86	0.48	0.23	1587	0.745	0.223	0.190	12.00	BCNP	BCNP
BCA15	P2	BCA5	0.588	5.062	0.851	9.35	11.21	10.21	10.30	1.86	0.48	0.23	1587	0.725	0.250	0.210	13.42	BCNP	BCNP

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
BCA15	P3	BCA4	0.443	7.085	0.841	9.35	11.21	10.21	10.30	1.86	0.48	0.23	1587	0.707	0.260	0.220	13.99	BCNP	BCNP
BCA16	P1	BCA14	0.667	5.132	0.925	8.77	12.01	10.79	10.98	3.24	0.73	0.53	1843	0.856	0.280	0.260	8.62	BCNP	BCNP
BCA16	P2	BCA13	0.779	2.093	0.852	8.77	12.01	10.79	10.98	3.24	0.73	0.53	1843	0.725	0.380	0.320	11.72	BCNP	BCNP
BCA16	P3	BCA8	0.771	10.076	0.863	8.77	12.01	10.79	10.98	3.24	0.73	0.53	1843	0.744	0.365	0.310	11.24	BCNP	BCNP
BCA17	P1	BCA16	0.621	6.178	0.812	11.97	14.39	12.87	12.76	2.42	0.54	0.29	1804	0.659	0.314	0.250	12.99	BCNP	BCNP
BCA17	P2	BCA8	0.522	12.397	0.771	11.97	14.39	12.87	12.76	2.42	0.54	0.29	1804	0.594	0.343	0.260	14.19	BCNP	BCNP
BCA17	P3	BCA12	0.555	5.804	0.763	11.97	14.39	12.87	12.76	2.42	0.54	0.29	1804	0.582	0.334	0.250	13.82	BCNP	BCNP
BCA18	P1	L28_GAP	1.007	1.716	0.911	8.14	13.42	11.76	12.19	5.28	1.23	1.51	1869	0.830	0.414	0.380	7.84	BCNP	BCNP
BCA18	P2	BCA13	1.048	0.266	0.881	8.14	13.42	11.76	12.19	5.28	1.23	1.51	1869	0.776	0.581	0.510	11.00	BCNP	BCNP
BCA18	P3	S190_T	1.176	0.610	0.888	8.14	13.42	11.76	12.19	5.28	1.23	1.51	1869	0.789	0.559	0.500	10.58	BCNP	BCNP
BCA19	P1	BCA8	0.713	–0.314	0.917	–1.78	1.76	0.27	0.32	3.54	0.72	0.51	1934	0.841	0.278	0.250	7.85	BCNP	BCNP
BCA19	P2	Tamiami_Canal_Monroe_to_Carnestown	0.552	–0.803	0.904	–1.78	1.76	0.27	0.32	3.54	0.72	0.51	1934	0.817	0.304	0.270	8.59	BCNP	BCNP
BCA19	P3	MO-216	1.348	0.122	0.901	–1.78	1.76	0.27	0.32	3.54	0.72	0.51	1934	0.813	0.315	0.280	8.89	BCNP	BCNP
BCA20	P1	SPARO	0.730	–0.561	0.962	1.27	4.59	3.69	3.84	3.32	0.59	0.35	1127	0.925	0.153	0.150	4.62	BCNP	ENP
BCA20	P2	LOOP2_T	0.691	0.242	0.922	0.84	4.72	3.69	3.81	3.88	0.60	0.36	2015	0.851	0.218	0.200	5.61	BCNP	BCNP
BCA20	P3	LOOP2_H	0.636	0.470	0.923	0.84	4.72	3.69	3.81	3.88	0.60	0.36	2015	0.852	0.206	0.190	5.30	BCNP	BCNP
CP	P1	NCL	0.917	–0.064	0.992	–1.99	0.89	–0.33	–0.21	2.88	0.61	0.37	2024	0.985	0.075	0.070	2.60	ENP	ENP
CP	P2	E146	1.208	0.121	0.964	–1.99	0.89	–0.33	–0.21	2.88	0.61	0.37	2024	0.930	0.159	0.150	5.52	ENP	ENP
CP	P3	NMP	1.043	0.111	0.946	–1.99	0.89	–0.33	–0.21	2.88	0.61	0.37	2024	0.896	0.197	0.190	6.84	ENP	ENP
CR2	P1	RG2	1.030	–0.148	0.990	–0.72	5.14	3.39	3.90	5.86	1.36	1.85	2040	0.980	0.193	0.190	3.29	ENP	ENP
CR2	P2	R3110	0.957	0.741	0.990	–0.72	5.14	3.39	3.90	5.86	1.36	1.85	2040	0.980	0.195	0.190	3.32	ENP	ENP
CR2	P3	CR3	1.015	–0.027	0.989	–0.72	5.14	3.39	3.90	5.86	1.36	1.85	2040	0.978	0.201	0.200	3.42	ENP	ENP
CR3	P1	CR2	0.964	0.100	0.989	–0.78	4.96	3.37	3.95	5.75	1.32	1.75	2038	0.978	0.195	0.190	3.40	ENP	ENP
CR3	P2	NP206	1.029	–0.522	0.988	–0.78	4.96	3.37	3.95	5.75	1.32	1.75	2038	0.976	0.205	0.200	3.56	ENP	ENP
CR3	P3	R3110	0.924	0.810	0.980	–0.78	4.96	3.37	3.95	5.75	1.32	1.75	2038	0.961	0.262	0.260	4.56	ENP	ENP
CT27R	P1	CV5NR	0.995	0.106	0.996	–0.43	1.54	0.58	0.65	1.97	0.47	0.22	1923	0.991	0.045	0.040	2.26	ENP	ENP

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
CT27R	P2	CT50R	1.028	0.170	0.996	–0.43	1.54	0.58	0.65	1.97	0.47	0.22	1923	0.992	0.044	0.040	2.21	ENP	ENP
CT27R	P3	S18C_T	0.998	0.131	0.996	–0.43	1.54	0.58	0.65	1.97	0.47	0.22	1923	0.993	0.040	0.040	2.02	ENP	ENP
CT50R	P1	S18C_T	0.978	–0.044	0.995	–1.00	1.31	0.36	0.43	2.31	0.50	0.25	2011	0.990	0.051	0.050	2.21	ENP	ENP
CT50R	P2	CV5NR	0.972	–0.067	0.995	–1.00	1.31	0.36	0.43	2.31	0.50	0.25	2011	0.990	0.050	0.050	2.14	ENP	ENP
CT50R	P3	CT27R	0.964	–0.161	0.996	–1.00	1.31	0.36	0.43	2.31	0.50	0.25	2011	0.992	0.042	0.040	1.83	ENP	ENP
CV5NR	P1	S18C_T	1.005	0.024	0.997	–1.38	1.64	0.42	0.51	3.02	0.54	0.29	2013	0.995	0.039	0.040	1.28	ENP	ENP
CV5NR	P2	CT27R	0.996	–0.101	0.996	–1.38	1.64	0.42	0.51	3.02	0.54	0.29	2013	0.991	0.045	0.040	1.48	ENP	ENP
CV5NR	P3	CT50R	1.018	0.073	0.995	–1.38	1.64	0.42	0.51	3.02	0.54	0.29	2013	0.990	0.051	0.050	1.68	ENP	ENP
CY2	P1	CY3	0.945	0.200	0.996	–2.03	1.61	0.63	0.93	3.64	0.80	0.64	2040	0.991	0.075	0.070	2.06	ENP	ENP
CY2	P2	DO1	0.772	–0.131	0.984	–2.03	1.61	0.63	0.93	3.64	0.80	0.64	2040	0.969	0.141	0.140	3.86	ENP	ENP
CY2	P3	NP67	1.127	0.002	0.982	–2.03	1.61	0.63	0.93	3.64	0.80	0.64	2040	0.965	0.150	0.150	4.12	ENP	ENP
CY3	P1	CY2	1.048	–0.205	0.996	–2.33	1.57	0.45	0.84	3.90	0.84	0.71	2038	0.991	0.079	0.080	2.03	ENP	ENP
CY3	P2	NP46	1.136	0.606	0.982	–2.33	1.57	0.45	0.84	3.90	0.84	0.71	2038	0.963	0.160	0.160	4.12	ENP	ENP
CY3	P3	DO2	0.785	–0.481	0.980	–2.33	1.57	0.45	0.84	3.90	0.84	0.71	2038	0.961	0.166	0.160	4.25	ENP	ENP
DO1	P1	NP72	0.831	–0.127	0.992	–2.05	2.29	0.99	1.26	4.34	1.02	1.03	2040	0.984	0.129	0.130	2.96	ENP	ENP
DO1	P2	DO2	0.961	–0.162	0.992	–2.05	2.29	0.99	1.26	4.34	1.02	1.03	2040	0.985	0.126	0.120	2.89	ENP	ENP
DO1	P3	NP44	0.731	–0.349	0.984	–2.05	2.29	0.99	1.26	4.34	1.02	1.03	2040	0.967	0.184	0.180	4.25	ENP	ENP
DO2	P1	DO1	1.025	0.184	0.992	–2.03	2.63	1.19	1.52	4.66	1.05	1.10	2028	0.985	0.130	0.130	2.78	ENP	ENP
DO2	P2	NP44	0.759	–0.195	0.988	–2.03	2.63	1.19	1.52	4.66	1.05	1.10	2028	0.977	0.161	0.160	3.46	ENP	ENP
DO2	P3	NP72	0.856	0.047	0.990	–2.03	2.63	1.19	1.52	4.66	1.05	1.10	2028	0.979	0.150	0.150	3.21	ENP	ENP
E112	P1	NTS1	0.986	–0.202	0.994	–1.11	4.26	2.33	2.58	5.37	1.25	1.57	2040	0.989	0.133	0.130	2.48	ENP	ENP
E112	P2	S175_H	0.996	–0.178	0.990	–1.11	4.26	2.33	2.58	5.37	1.25	1.57	2040	0.980	0.177	0.180	3.29	ENP	ENP
E112	P3	NTS10	0.922	–0.284	0.995	–1.11	4.26	2.33	2.58	5.37	1.25	1.57	2040	0.991	0.119	0.120	2.22	ENP	ENP
E146	P1	P37	0.821	–0.304	0.978	–1.85	0.72	–0.38	–0.31	2.57	0.49	0.24	2031	0.957	0.101	0.100	3.95	ENP	ENP
E146	P2	NCL	0.711	–0.167	0.965	–1.85	0.72	–0.38	–0.31	2.57	0.49	0.24	2031	0.932	0.127	0.120	4.93	ENP	ENP
E146	P3	CP	0.770	–0.119	0.964	–1.85	0.72	–0.38	–0.31	2.57	0.49	0.24	2031	0.930	0.127	0.120	4.93	ENP	ENP
EDEN_3	P1	MO-215	0.647	–0.109	0.962	–0.61	1.38	0.30	0.33	1.99	0.41	0.17	1943	0.925	0.110	0.110	5.56	ENP	ENP
EDEN_3	P2	OT	0.648	–0.049	0.951	–0.61	1.38	0.30	0.33	1.99	0.41	0.17	1943	0.907	0.126	0.120	6.34	ENP	ENP

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
EDEN_3	P3	MO-214	0.882	–0.118	0.928	–0.61	1.38	0.30	0.33	1.99	0.41	0.17	1943	0.862	0.154	0.140	7.74	ENP	ENP
EDEN_4	P1	S340_T	0.988	0.213	0.994	6.18	11.11	8.25	8.35	4.93	1.00	1.01	1815	0.988	0.112	0.110	2.27	WCA3	WCA3
EDEN_4	P2	S9A_T	0.987	0.138	0.993	6.18	11.11	8.25	8.35	4.93	1.00	1.01	1815	0.987	0.116	0.110	2.35	WCA3	WCA3
EDEN_4	P3	S142_H	0.926	0.593	0.988	6.18	11.11	8.25	8.35	4.93	1.00	1.01	1815	0.976	0.154	0.150	3.12	WCA3	WCA3
EDEN_5	P1	EDEN_14	0.948	0.681	0.976	8.06	10.87	9.10	9.05	2.82	0.57	0.33	1686	0.953	0.115	0.110	4.07	WCA3	WCA3
EDEN_5	P2	3AS	0.894	1.274	0.979	8.06	10.87	9.10	9.05	2.82	0.57	0.33	1686	0.959	0.121	0.120	4.29	WCA3	WCA3
EDEN_5	P3	SITE_62	0.893	0.506	0.974	8.06	10.87	9.10	9.05	2.82	0.57	0.33	1686	0.949	0.129	0.130	4.59	WCA3	WCA3
EDEN_6	P1	EDEN_5	0.750	2.802	0.903	8.54	10.96	9.66	9.62	2.42	0.46	0.21	1608	0.816	0.198	0.180	8.16	BCNP	WCA3
EDEN_6	P2	SITE_62	0.691	2.971	0.900	8.54	10.96	9.66	9.62	2.42	0.46	0.21	1608	0.810	0.202	0.180	8.33	BCNP	WCA3
EDEN_6	P3	L28S2	0.792	1.950	0.901	8.54	10.96	9.66	9.62	2.42	0.46	0.21	1608	0.813	0.200	0.180	8.27	BCNP	WCA3
EDEN_7	P1	SITE_76	1.135	–0.854	0.978	5.01	7.12	6.04	6.01	2.11	0.50	0.25	1831	0.957	0.100	0.100	4.73	WCA3	WCA3
EDEN_7	P2	SITE_71	1.241	–1.629	0.964	5.01	7.12	6.04	6.01	2.11	0.50	0.25	1831	0.930	0.133	0.130	6.32	WCA3	WCA3
EDEN_7	P3	SITE_69E	1.199	–2.330	0.936	5.01	7.12	6.04	6.01	2.11	0.50	0.25	1831	0.876	0.178	0.170	8.43	WCA3	WCA3
EDEN_8	P1	SITE_65	1.139	–0.925	0.994	5.84	10.19	8.01	8.01	4.35	0.76	0.58	1908	0.989	0.080	0.080	1.85	WCA3	WCA3
EDEN_8	P2	3AS3W1	1.158	–1.295	0.992	5.84	10.19	8.01	8.01	4.35	0.76	0.58	1908	0.984	0.097	0.100	2.23	WCA3	WCA3
EDEN_8	P3	SITE_69W	0.842	1.181	0.990	5.84	10.19	8.01	8.01	4.35	0.76	0.58	1908	0.980	0.108	0.110	2.49	WCA3	WCA3
EDEN_9	P1	3ANE_GW	1.040	–0.355	0.983	7.70	11.15	8.93	8.79	3.45	0.71	0.50	1614	0.967	0.128	0.130	3.69	WCA3	WCA3
EDEN_9	P2	3A12	1.131	–1.487	0.969	7.70	11.15	8.93	8.79	3.45	0.71	0.50	1614	0.939	0.173	0.170	5.00	WCA3	WCA3
EDEN_9	P3	3AS	1.118	–0.919	0.964	7.70	11.15	8.93	8.79	3.45	0.71	0.50	1614	0.929	0.196	0.189	5.67	WCA3	WCA3
EDEN_10	P1	SRS1	0.790	1.318	0.976	4.58	7.12	5.84	5.90	2.54	0.51	0.26	1893	0.953	0.111	0.110	4.37	WCA3	WCA3
EDEN_10	P2	TI-9	1.196	–1.274	0.975	4.58	7.12	5.84	5.90	2.54	0.51	0.26	1893	0.950	0.112	0.110	4.43	WCA3	WCA3
EDEN_10	P3	3BS1W1	0.552	3.141	0.963	4.58	7.12	5.84	5.90	2.54	0.51	0.26	1893	0.928	0.134	0.130	5.30	WCA3	WCA3
EDEN_11	P1	WC2AS1	0.787	2.288	0.977	10.59	13.57	11.43	11.34	2.98	0.56	0.31	1768	0.955	0.091	0.090	3.05	WCA2	WCA2
EDEN_11	P2	WCA2F4	0.776	2.838	0.884	10.59	13.57	11.43	11.34	2.98	0.56	0.31	1768	0.782	0.264	0.230	8.86	WCA2	WCA2
EDEN_11	P3	WCA2F1	0.755	2.799	0.877	10.59	13.57	11.43	11.34	2.98	0.56	0.31	1768	0.769	0.263	0.230	8.84	WCA2	WCA2
EDEN_12	P1	S340_T	0.864	0.971	0.988	6.01	10.60	8.06	8.08	4.59	0.93	0.86	1857	0.977	0.142	0.140	3.09	WCA3	WCA3
EDEN_12	P2	S151_H	0.945	0.519	0.988	6.01	10.60	8.06	8.08	4.59	0.93	0.86	1857	0.976	0.140	0.140	3.06	WCA3	WCA3
EDEN_12	P3	EDEN_4	0.871	0.816	0.987	6.01	10.60	8.06	8.08	4.59	0.93	0.86	1857	0.973	0.145	0.140	3.16	WCA3	WCA3

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
EDEN_13	P1	SITE_99	0.593	3.506	0.904	6.97	9.85	8.31	8.34	2.88	0.78	0.61	1770	0.818	0.334	0.300	11.57	WCA2	WCA2
EDEN_13	P2	S141_H	0.778	2.092	0.889	6.97	9.85	8.31	8.34	2.88	0.78	0.61	1770	0.790	0.352	0.310	12.19	WCA2	WCA2
EDEN_13	P3	S151_H	0.731	2.460	0.842	6.97	9.85	8.31	8.34	2.88	0.78	0.61	1770	0.708	0.427	0.360	14.82	WCA2	WCA3
EDEN_14	P1	3AS	0.935	0.702	0.987	8.22	10.72	8.97	8.87	2.50	0.54	0.29	1525	0.975	0.088	0.090	3.52	WCA3	WCA3
EDEN_14	P2	EDEN_5	1.006	–0.264	0.976	8.22	10.72	8.97	8.87	2.50	0.54	0.29	1525	0.953	0.118	0.120	4.72	WCA3	WCA3
EDEN_14	P3	W18	0.973	0.513	0.978	8.22	10.72	8.97	8.87	2.50	0.54	0.29	1525	0.957	0.111	0.110	4.43	WCA3	WCA3
EP1R	P1	CT27R	0.847	–0.270	0.985	–1.23	1.13	0.17	0.21	2.36	0.45	0.21	2040	0.970	0.071	0.070	3.01	ENP	ENP
EP1R	P2	S18C_T	0.838	–0.155	0.985	–1.23	1.13	0.17	0.21	2.36	0.45	0.21	2040	0.970	0.078	0.080	3.32	ENP	ENP
EP1R	P3	CV5NR	0.833	–0.175	0.985	–1.23	1.13	0.17	0.21	2.36	0.45	0.21	2040	0.970	0.079	0.078	3.35	ENP	ENP
EPSW	P1	EVER6	0.687	–0.332	0.980	–0.66	0.94	0.04	0.10	1.60	0.32	0.10	1926	0.960	0.063	0.060	3.93	ENP	ENP
EPSW	P2	EVER7	0.718	–0.411	0.968	–0.66	0.94	0.04	0.10	1.60	0.32	0.10	1926	0.938	0.072	0.070	4.49	ENP	ENP
EPSW	P3	CT50R	0.620	–0.182	0.967	–0.66	0.94	0.04	0.10	1.60	0.32	0.10	1926	0.936	0.080	0.080	4.98	ENP	ENP
EVER4	P1	G-1251	0.888	0.055	0.992	–1.05	1.51	0.47	0.61	2.56	0.48	0.23	1960	0.985	0.060	0.060	2.32	ENP	ENP
EVER4	P2	S175_T	0.866	–0.359	0.979	–1.05	1.51	0.47	0.61	2.56	0.48	0.23	1960	0.959	0.098	0.100	3.82	ENP	ENP
EVER4	P3	NP67	0.768	–0.000	0.975	–1.05	1.51	0.47	0.61	2.56	0.48	0.23	1960	0.950	0.109	0.110	4.24	ENP	ENP
EVER5A	P1	OL	0.894	–0.205	0.964	–2.35	0.86	–0.44	–0.37	3.21	0.49	0.24	2018	0.929	0.132	0.130	4.10	ENP	ENP
EVER5A	P2	G-1251	0.771	–0.760	0.962	–2.35	0.86	–0.44	–0.37	3.21	0.49	0.24	2018	0.926	0.134	0.130	4.17	ENP	ENP
EVER5A	P3	EVER4	0.875	–0.813	0.951	–2.35	0.86	–0.44	–0.37	3.21	0.49	0.24	2018	0.905	0.138	0.130	4.29	ENP	ENP
EVER6	P1	CT50R	0.910	0.214	0.993	–1.21	1.59	0.52	0.60	2.80	0.48	0.23	2037	0.987	0.052	0.050	1.87	ENP	ENP
EVER6	P2	CV5NR	0.895	0.147	0.992	–1.21	1.59	0.52	0.60	2.80	0.48	0.23	2037	0.985	0.060	0.060	2.14	ENP	ENP
EVER6	P3	CT27R	0.863	0.079	0.991	–1.21	1.59	0.52	0.60	2.80	0.48	0.23	2037	0.981	0.056	0.060	2.01	ENP	ENP
EVER7	P1	EVER6	0.942	0.117	0.976	–0.70	1.74	0.67	0.73	2.44	0.39	0.15	1910	0.952	0.085	0.080	3.47	ENP	ENP
EVER7	P2	CT50R	0.841	0.329	0.969	–0.70	1.74	0.67	0.73	2.44	0.39	0.15	1910	0.940	0.095	0.090	3.87	ENP	ENP
EVER7	P3	G-1251	0.777	0.270	0.969	–0.70	1.74	0.67	0.73	2.44	0.39	0.15	1910	0.938	0.096	0.090	3.92	ENP	ENP
EVER8	P1	EVER6	1.054	–0.058	0.981	–0.92	1.63	0.49	0.60	2.55	0.52	0.27	2040	0.961	0.102	0.100	4.00	ENP	ENP
EVER8	P2	CV5NR	0.950	0.092	0.979	–0.92	1.63	0.49	0.60	2.55	0.52	0.27	2040	0.958	0.106	0.100	4.17	ENP	ENP
EVER8	P3	EVER7	1.086	–0.168	0.966	–0.92	1.63	0.49	0.60	2.55	0.52	0.27	2040	0.933	0.112	0.110	4.38	ENP	ENP
G-596	P1	G-3626	1.137	0.091	0.982	0.14	5.40	3.27	3.51	5.26	0.80	0.63	2038	0.964	0.152	0.150	2.88	ENP	ENP

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
G-596	P2	ANGEL	0.700	0.649	0.963	0.14	5.40	3.27	3.51	5.26	0.80	0.63	2038	0.927	0.215	0.210	4.08	ENP	ENP
G-596	P3	G-3273	0.630	0.642	0.945	0.14	5.40	3.27	3.51	5.26	0.80	0.63	2038	0.893	0.260	0.250	4.95	ENP	ENP
G-620	P1	NP203	1.188	–0.592	0.956	1.76	6.48	4.71	4.76	4.72	0.77	0.60	1982	0.914	0.228	0.220	4.83	ENP	ENP
G-620	P2	P33	1.375	–1.580	0.942	1.76	6.48	4.71	4.76	4.72	0.77	0.60	1982	0.888	0.259	0.240	5.49	ENP	ENP
G-620	P3	NP201	0.929	–0.609	0.932	1.76	6.48	4.71	4.76	4.72	0.77	0.60	1982	0.869	0.279	0.260	5.92	ENP	ENP
G-975	P1	G-3818	0.914	0.670	0.989	0.66	5.05	3.65	3.97	4.39	0.87	0.75	2040	0.979	0.126	0.120	2.86	Pennsuco	Pennsuco
G-975	P2	G-1488	1.011	–0.871	0.965	0.66	5.05	3.65	3.97	4.39	0.87	0.75	2040	0.930	0.228	0.220	5.20	Pennsuco	Pennsuco
G-975	P3	G-3761	0.817	1.764	0.967	0.66	5.05	3.65	3.97	4.39	0.87	0.75	2040	0.936	0.222	0.210	5.06	Pennsuco	Pennsuco
G-1251	P1	EVER4	1.110	–0.054	0.992	–1.88	1.55	0.42	0.57	3.43	0.61	0.37	2037	0.985	0.067	0.070	1.94	ENP	ENP
G-1251	P2	R127	0.851	–0.143	0.989	–1.88	1.55	0.42	0.57	3.43	0.61	0.37	2037	0.978	0.089	0.090	2.58	ENP	ENP
G-1251	P3	NP67	0.871	–0.067	0.988	–1.88	1.55	0.42	0.57	3.43	0.61	0.37	2037	0.976	0.094	0.090	2.74	ENP	ENP
G-1488	P1	S336_T	0.994	0.618	0.986	1.32	5.62	4.47	4.81	4.30	0.83	0.68	2040	0.973	0.135	0.130	3.14	Pennsuco	WCA3
G-1488	P2	G119_H	0.996	0.565	0.985	1.32	5.62	4.47	4.81	4.30	0.83	0.68	2040	0.970	0.142	0.140	3.31	Pennsuco	Pennsuco
G-1488	P3	G-3818	0.857	1.674	0.972	1.32	5.62	4.47	4.81	4.30	0.83	0.68	2040	0.945	0.193	0.190	4.50	Pennsuco	Pennsuco
G-3272	P1	G-3273	0.953	0.230	0.981	0.54	5.94	4.20	4.47	5.40	1.16	1.35	2040	0.962	0.227	0.220	4.20	ENP	ENP
G-3272	P2	G-3578	1.062	–0.389	0.980	0.54	5.94	4.20	4.47	5.40	1.16	1.35	2040	0.960	0.232	0.230	4.30	ENP	ENP
G-3272	P3	G-3575	1.093	–0.080	0.979	0.54	5.94	4.20	4.47	5.40	1.16	1.35	2040	0.959	0.231	0.230	4.27	ENP	ENP
G-3273	P1	G-1502	0.997	–0.040	0.999	0.16	5.78	4.17	4.55	5.62	1.19	1.43	2040	0.998	0.060	0.060	1.07	ENP	ENP
G-3273	P2	RG1	0.923	0.815	0.986	0.16	5.78	4.17	4.55	5.62	1.19	1.43	2040	0.972	0.202	0.200	3.60	ENP	ENP
G-3273	P3	G-3272	1.010	–0.073	0.981	0.16	5.78	4.17	4.55	5.62	1.19	1.43	2040	0.962	0.233	0.230	4.15	ENP	ENP
G-3437	P1	RG3	0.917	0.546	0.982	–0.27	5.69	3.65	3.75	5.96	1.36	1.86	1913	0.964	0.252	0.250	4.23	ENP	ENP
G-3437	P2	RG2	0.995	0.247	0.968	–0.27	5.69	3.65	3.75	5.96	1.36	1.86	1913	0.936	0.344	0.330	5.78	ENP	ENP
G-3437	P3	S175_H	1.038	1.047	0.959	–0.27	5.69	3.65	3.75	5.96	1.36	1.86	1913	0.920	0.386	0.370	6.48	ENP	ENP
G-3567	P1	G-3761	0.729	1.360	0.954	0.87	4.56	3.02	3.12	3.69	0.79	0.62	1989	0.910	0.239	0.230	6.48	Pennsuco	Pennsuco
G-3567	P2	NWWF	0.635	0.999	0.946	0.87	4.56	3.02	3.12	3.69	0.79	0.62	1989	0.895	0.255	0.240	6.93	Pennsuco	Pennsuco
G-3567	P3	G-975	0.842	–0.040	0.932	0.87	4.56	3.02	3.12	3.69	0.79	0.62	1989	0.869	0.285	0.270	7.72	Pennsuco	Pennsuco
G-3574	P1	G-3576	0.913	–0.234	0.993	0.70	5.08	4.00	4.34	4.37	0.89	0.79	2037	0.986	0.105	0.100	2.40	ENP	ENP
G-3574	P2	L31NN	0.710	0.905	0.985	0.70	5.08	4.00	4.34	4.37	0.89	0.79	2037	0.971	0.124	0.120	2.84	ENP	ENP

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
G-3574	P3	S336_T	1.084	–0.205	0.990	0.70	5.08	4.00	4.34	4.37	0.89	0.79	2037	0.980	0.124	0.120	2.84	ENP	WCA3
G-3575	P1	G-3577	0.880	0.362	0.996	0.69	5.39	3.94	4.17	4.70	1.02	1.03	2024	0.992	0.092	0.090	1.95	ENP	ENP
G-3575	P2	G-3578	0.959	–0.227	0.985	0.69	5.39	3.94	4.17	4.70	1.02	1.03	2024	0.971	0.175	0.170	3.71	ENP	ENP
G-3575	P3	G-3272	0.877	0.232	0.979	0.69	5.39	3.94	4.17	4.70	1.02	1.03	2024	0.959	0.207	0.200	4.39	ENP	ENP
G-3576	P1	G-3574	1.080	0.317	0.993	1.11	5.94	4.63	4.96	4.83	0.98	0.95	2016	0.986	0.114	0.110	2.36	ENP	ENP
G-3576	P2	G-3578	0.902	0.736	0.989	1.11	5.94	4.63	4.96	4.83	0.98	0.95	2016	0.978	0.146	0.140	3.01	ENP	ENP
G-3576	P3	L31NN	0.777	1.248	0.988	1.11	5.94	4.63	4.96	4.83	0.98	0.95	2016	0.976	0.123	0.120	2.55	ENP	ENP
G-3577	P1	G-3575	1.127	–0.377	0.996	0.54	5.80	4.00	4.16	5.26	1.20	1.43	1877	0.992	0.104	0.100	1.97	ENP	ENP
G-3577	P2	G-3578	1.083	–0.628	0.989	0.54	5.80	4.00	4.16	5.26	1.20	1.43	1877	0.978	0.177	0.170	3.36	ENP	ENP
G-3577	P3	G-3272	0.989	–0.112	0.979	0.54	5.80	4.00	4.16	5.26	1.20	1.43	1877	0.959	0.244	0.240	4.64	ENP	ENP
G-3578	P1	G-3577	0.904	0.661	0.989	0.73	5.79	4.32	4.69	5.06	1.07	1.15	2034	0.978	0.162	0.160	3.19	ENP	ENP
G-3578	P2	G-3576	1.084	–0.702	0.989	0.73	5.79	4.32	4.69	5.06	1.07	1.15	2034	0.978	0.160	0.160	3.16	ENP	ENP
G-3578	P3	G-3575	1.012	0.358	0.985	0.73	5.79	4.32	4.69	5.06	1.07	1.15	2034	0.971	0.179	0.180	3.55	ENP	ENP
G-3626	P1	G-596	0.848	0.024	0.982	–0.09	4.58	2.79	2.99	4.68	0.69	0.47	2028	0.964	0.131	0.130	2.80	ENP	ENP
G-3626	P2	G-3628	0.678	0.807	0.933	–0.09	4.58	2.79	2.99	4.68	0.69	0.47	2028	0.870	0.249	0.230	5.32	ENP	ENP
G-3626	P3	ANGEL	0.582	0.619	0.926	–0.09	4.58	2.79	2.99	4.68	0.69	0.47	2028	0.858	0.260	0.240	5.55	ENP	ENP
G-3628	P1	ANGEL	0.821	–0.137	0.949	–0.34	5.77	2.93	3.15	6.10	0.95	0.90	2033	0.901	0.298	0.280	4.89	ENP	ENP
G-3628	P2	G-3437	0.658	0.521	0.933	–0.34	5.77	2.93	3.15	6.10	0.95	0.90	2033	0.871	0.345	0.320	5.65	ENP	ENP
G-3628	P3	G-1502	0.734	–0.169	0.929	–0.34	5.77	2.93	3.15	6.10	0.95	0.90	2033	0.863	0.351	0.330	5.75	ENP	ENP
G-3676	P1	ANGEL	0.594	0.124	0.951	0.17	4.17	2.34	2.38	3.99	0.68	0.47	2028	0.904	0.212	0.200	5.30	Pennsuco	ENP
G-3676	P2	G-3272	0.558	–0.001	0.947	0.17	4.17	2.34	2.38	3.99	0.68	0.47	2028	0.898	0.219	0.210	5.48	Pennsuco	ENP
G-3676	P3	G-3761	0.619	0.931	0.931	0.17	4.17	2.34	2.38	3.99	0.68	0.47	2028	0.866	0.253	0.240	6.33	Pennsuco	Pennsuco
G-3761	P1	G-975	1.146	–1.873	0.967	–0.48	4.39	2.30	2.56	4.87	1.04	1.07	1982	0.936	0.263	0.250	5.40	Pennsuco	Pennsuco
G-3761	P2	G-3818	1.053	–1.131	0.961	–0.48	4.39	2.30	2.56	4.87	1.04	1.07	1982	0.924	0.285	0.270	5.85	Pennsuco	Pennsuco
G-3761	P3	G-3567	1.248	–1.493	0.954	–0.48	4.39	2.30	2.56	4.87	1.04	1.07	1982	0.910	0.312	0.300	6.41	Pennsuco	Pennsuco
G-3818	P1	G-975	1.071	–0.649	0.989	0.14	4.62	3.26	3.68	4.49	0.93	0.87	2035	0.979	0.136	0.130	3.03	Pennsuco	Pennsuco
G-3818	P2	S336_T	1.114	–1.057	0.976	0.14	4.62	3.26	3.68	4.49	0.93	0.87	2035	0.953	0.202	0.200	4.49	Pennsuco	WCA3
G-3818	P3	G119_H	1.118	–1.124	0.976	0.14	4.62	3.26	3.68	4.49	0.93	0.87	2035	0.953	0.202	0.200	4.49	Pennsuco	Pennsuco

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
G300_T	P1	G301_T	1.023	–0.438	0.998	11.39	16.05	14.43	14.68	4.66	0.94	0.88	2040	0.997	0.055	0.050	1.17	WCA1	WCA1
G300_T	P2	G251_T	1.009	–0.164	0.998	11.39	16.05	14.43	14.68	4.66	0.94	0.88	2040	0.996	0.057	0.060	1.23	WCA1	WCA1
G300_T	P3	G338_T	1.019	–0.400	0.995	11.39	16.05	14.43	14.68	4.66	0.94	0.88	2040	0.989	0.097	0.100	2.08	WCA1	WCA1
G339_H	P1	G339_T	0.570	5.111	0.631	6.57	15.91	11.93	12.04	9.33	1.25	1.57	2026	0.398	0.973	0.610	10.42	WCA2	WCA2
G339_H	P2	S7_T	0.489	6.698	0.565	6.57	15.91	11.93	12.04	9.33	1.25	1.57	2026	0.319	1.035	0.580	11.08	WCA2	WCA2
G339_H	P3	WC2AN1	0.617	4.207	0.541	6.57	15.91	11.93	12.04	9.33	1.25	1.57	2026	0.292	1.036	0.560	11.10	WCA2	WCA2
G339_T	P1	WC2AN1	1.084	–0.840	0.984	8.14	15.61	11.96	11.99	7.47	1.39	1.94	2039	0.968	0.214	0.210	2.87	WCA2	WCA2
G339_T	P2	WC2AS1	1.740	–7.953	0.870	8.14	15.61	11.96	11.99	7.47	1.39	1.94	2039	0.757	0.578	0.500	7.74	WCA2	WCA2
G339_T	P3	EDEN_11	2.014	–10.921	0.843	8.14	15.61	11.96	11.99	7.47	1.39	1.94	2039	0.711	0.719	0.610	9.62	WCA2	WCA2
Joe_Bay_2E	P1	Upstream_Taylor_River	1.006	–0.120	0.972	–1.58	0.89	–0.44	–0.44	2.47	0.43	0.19	2035	0.944	0.102	0.100	4.12	ENP	ENP
Joe_Bay_2E	P2	McCormick_Creek_at_mouth	1.057	0.119	0.968	–1.58	0.89	–0.44	–0.44	2.47	0.43	0.19	2035	0.938	0.108	0.100	4.35	ENP	ENP
Joe_Bay_2E	P3	Trout_Creek_at_mouth	1.046	0.148	0.961	–1.58	0.89	–0.44	–0.44	2.47	0.43	0.19	2035	0.924	0.119	0.110	4.80	ENP	ENP
L28_GAP	P1	BCA18	0.824	0.318	0.911	7.72	11.75	10.19	10.46	4.03	0.89	0.80	1830	0.830	0.374	0.340	9.30	BCNP	BCNP
L28_GAP	P2	BCA5	1.057	1.074	0.899	7.72	11.75	10.19	10.46	4.03	0.89	0.80	1830	0.809	0.385	0.350	9.57	BCNP	BCNP
L28_GAP	P3	Tamiami_Canal_40-Mile_Bend_to_Monroe	1.006	3.758	0.886	7.72	11.75	10.19	10.46	4.03	0.89	0.80	1830	0.786	0.414	0.370	10.29	BCNP	BCNP
L28S1	P1	S344_T	0.867	3.198	0.942	6.98	10.93	9.86	10.00	3.95	0.70	0.48	1127	0.887	0.235	0.220	5.94	WCA3	BCNP
L28S1	P2	S340_H	0.906	1.661	0.923	6.98	10.93	9.86	10.00	3.95	0.70	0.48	1127	0.852	0.268	0.250	6.78	WCA3	WCA3
L28S1	P3	SITE_62	0.815	2.153	0.928	6.98	10.93	9.86	10.00	3.95	0.70	0.48	1127	0.861	0.264	0.250	6.69	WCA3	WCA3
L28S2	P1	EDEN_14	0.872	1.951	0.955	8.17	11.31	9.55	9.54	3.14	0.64	0.41	1984	0.912	0.147	0.140	4.67	WCA3	WCA3
L28S2	P2	EDEN_5	0.950	1.034	0.949	8.17	11.31	9.55	9.54	3.14	0.64	0.41	1984	0.902	0.180	0.170	5.75	WCA3	WCA3
L28S2	P3	3ASW	0.814	2.642	0.956	8.17	11.31	9.55	9.54	3.14	0.64	0.41	1984	0.915	0.181	0.170	5.78	WCA3	WCA3
L31W	P1	S175_H	0.998	0.055	0.999	0.14	4.63	2.66	2.78	4.49	1.14	1.29	1957	0.998	0.049	0.050	1.09	ENP	ENP
L31W	P2	NTS1	0.982	0.045	0.998	0.14	4.63	2.66	2.78	4.49	1.14	1.29	1957	0.996	0.077	0.080	1.71	ENP	ENP

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
L31W	P3	S332_T	1.043	–0.073	0.994	0.14	4.63	2.66	2.78	4.49	1.14	1.29	1957	0.988	0.074	0.070	1.64	ENP	ENP
LOOP1_T	P1	LOOP2_H	0.749	2.265	0.949	2.51	7.34	6.03	6.20	4.83	0.76	0.58	2040	0.900	0.194	0.180	4.01	BCNP	BCNP
LOOP1_T	P2	LOOP2_T	0.815	1.982	0.951	2.51	7.34	6.03	6.20	4.83	0.76	0.58	2040	0.905	0.199	0.190	4.11	BCNP	BCNP
LOOP1_T	P3	BCA9	0.705	1.949	0.913	2.51	7.34	6.03	6.20	4.83	0.76	0.58	2040	0.833	0.241	0.220	4.98	BCNP	BCNP
LOOP2_H	P1	LOOP2_T	1.104	–0.463	0.987	1.69	6.76	5.15	5.24	5.07	0.77	0.60	1925	0.974	0.125	0.120	2.47	BCNP	BCNP
LOOP2_H	P2	LOOP1_T	1.201	–2.205	0.949	1.69	6.76	5.15	5.24	5.07	0.77	0.60	1925	0.900	0.245	0.230	4.83	BCNP	BCNP
LOOP2_H	P3	BCA9	0.925	–0.320	0.937	1.69	6.76	5.15	5.24	5.07	0.77	0.60	1925	0.878	0.256	0.240	5.04	BCNP	BCNP
LOOP2_T	P1	LOOP2_H	0.882	0.541	0.987	2.15	6.15	5.05	5.24	4.00	0.75	0.56	1949	0.974	0.112	0.110	2.80	BCNP	BCNP
LOOP2_T	P2	BCA10	0.838	2.940	0.951	2.15	6.15	5.05	5.24	4.00	0.75	0.56	1949	0.905	0.231	0.220	5.76	BCNP	BCNP
LOOP2_T	P3	LOOP1_T	1.109	–1.717	0.951	2.15	6.15	5.05	5.24	4.00	0.75	0.56	1949	0.905	0.232	0.220	5.79	BCNP	BCNP
McCormick_Creek_at_mouth	P1	Mud_Creek_at_mouth	0.984	0.011	0.980	–1.61	1.07	–0.53	–0.52	2.68	0.39	0.16	2035	0.961	0.077	0.080	2.87	ENP	ENP
McCormick_Creek_at_mouth	P2	Trout_Creek_at_mouth	0.977	0.020	0.980	–1.61	1.07	–0.53	–0.52	2.68	0.39	0.16	2035	0.961	0.078	0.080	2.90	ENP	ENP
McCormick_Creek_at_mouth	P3	Taylor_River_at_mouth	1.015	0.034	0.974	–1.61	1.07	–0.53	–0.52	2.68	0.39	0.16	2035	0.949	0.089	0.090	3.33	ENP	ENP
MO-214	P1	P34	0.634	–0.282	0.951	–0.41	1.57	0.48	0.46	1.98	0.44	0.19	1739	0.905	0.137	0.130	6.90	ENP	ENP
MO-214	P2	OT	0.658	0.127	0.947	–0.41	1.57	0.48	0.46	1.98	0.44	0.19	1739	0.896	0.143	0.140	7.20	ENP	ENP
MO-214	P3	EDEN_3	0.978	0.184	0.928	–0.41	1.57	0.48	0.46	1.98	0.44	0.19	1739	0.862	0.162	0.150	8.16	ENP	ENP
MO-215	P1	EDEN_3	1.430	0.205	0.962	–0.78	2.01	0.59	0.68	2.78	0.64	0.41	1968	0.925	0.164	0.160	5.90	ENP	ENP
MO-215	P2	Bottle_Creek_at_Rookery_Branch	0.964	0.307	0.951	–0.78	2.01	0.59	0.68	2.78	0.64	0.41	1968	0.904	0.201	0.190	7.21	ENP	ENP
MO-215	P3	P38	1.033	0.511	0.930	–0.78	2.01	0.59	0.68	2.78	0.64	0.41	1968	0.866	0.236	0.220	8.48	ENP	ENP
MO-216	P1	BCA19	0.603	–0.053	0.901	–1.21	1.17	0.06	0.08	2.38	0.52	0.27	1952	0.813	0.210	0.190	8.84	BCNP	BCNP
MO-216	P2	P34	0.647	–0.686	0.836	–1.21	1.17	0.06	0.08	2.38	0.52	0.27	1952	0.699	0.285	0.240	11.98	BCNP	ENP
MO-216	P3	MO-214	0.959	–0.373	0.834	–1.21	1.17	0.06	0.08	2.38	0.52	0.27	1952	0.695	0.282	0.240	11.86	BCNP	ENP

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
Mud_Creek_at_mouth	P1	Taylor_River_at_mouth	1.030	0.022	0.993	–1.64	0.94	–0.55	–0.56	2.58	0.39	0.15	2015	0.987	0.045	0.040	1.75	ENP	ENP
Mud_Creek_at_mouth	P2	Trout_Creek_at_mouth	0.985	0.005	0.993	–1.64	0.94	–0.55	–0.56	2.58	0.39	0.15	2015	0.986	0.045	0.050	1.76	ENP	ENP
Mud_Creek_at_mouth	P3	McCormick_Creek_at_mouth	0.977	–0.032	0.980	–1.64	0.94	–0.55	–0.56	2.58	0.39	0.15	2015	0.961	0.077	0.080	2.98	ENP	ENP
NCL	P1	CP	1.074	0.064	0.992	–2.79	0.90	–0.30	–0.18	3.69	0.67	0.45	2039	0.985	0.081	0.080	2.19	ENP	ENP
NCL	P2	E146	1.311	0.199	0.965	–2.79	0.90	–0.30	–0.18	3.69	0.67	0.45	2039	0.932	0.172	0.170	4.67	ENP	ENP
NCL	P3	NMP	1.149	0.192	0.952	–2.79	0.90	–0.30	–0.18	3.69	0.67	0.45	2039	0.906	0.206	0.200	5.60	ENP	ENP
NESRS1	P1	NESRS2	0.703	1.686	0.956	3.15	6.13	5.07	5.16	2.97	0.58	0.33	1974	0.913	0.136	0.130	4.58	ENP	ENP
NESRS1	P2	P33	1.074	0.133	0.949	3.15	6.13	5.07	5.16	2.97	0.58	0.33	1974	0.902	0.181	0.170	6.10	ENP	ENP
NESRS1	P3	G-3578	0.520	2.817	0.953	3.15	6.13	5.07	5.16	2.97	0.58	0.33	1974	0.908	0.175	0.170	5.89	ENP	ENP
NESRS2	P1	G-3578	0.699	1.785	0.974	3.11	5.88	4.92	5.12	2.77	0.63	0.40	1856	0.948	0.144	0.140	5.19	ENP	ENP
NESRS2	P2	G-3576	0.776	1.212	0.972	3.11	5.88	4.92	5.12	2.77	0.63	0.40	1856	0.944	0.150	0.150	5.40	ENP	ENP
NESRS2	P3	NESRS1	1.298	–1.760	0.956	3.11	5.88	4.92	5.12	2.77	0.63	0.40	1856	0.913	0.185	0.180	6.67	ENP	ENP
NESRS4	P1	NESRS1	1.138	–1.029	0.921	2.90	5.86	4.84	4.92	2.96	0.57	0.32	1892	0.848	0.218	0.200	7.36	ENP	ENP
NESRS4	P2	P33	1.250	–1.001	0.904	2.90	5.86	4.84	4.92	2.96	0.57	0.32	1892	0.818	0.242	0.220	8.16	ENP	ENP
NESRS4	P3	NESRS2	0.867	0.559	0.919	2.90	5.86	4.84	4.92	2.96	0.57	0.32	1892	0.845	0.218	0.200	7.37	ENP	ENP
NMP	P1	E146	1.086	–0.016	0.964	–2.18	0.66	–0.43	–0.37	2.84	0.56	0.31	2038	0.929	0.146	0.140	5.13	ENP	ENP
NMP	P2	P37	0.896	–0.345	0.954	–2.18	0.66	–0.43	–0.37	2.84	0.56	0.31	2038	0.911	0.167	0.160	5.88	ENP	ENP
NMP	P3	NCL	0.789	–0.192	0.952	–2.18	0.66	–0.43	–0.37	2.84	0.56	0.31	2038	0.906	0.171	0.160	6.02	ENP	ENP
NORTH_CA1	P1	SITE_7	0.928	1.156	0.941	13.22	15.98	14.98	15.10	2.76	0.50	0.25	2037	0.886	0.169	0.160	6.10	WCA1	WCA1
NORTH_CA1	P2	SITE_9	0.858	2.318	0.925	13.22	15.98	14.98	15.10	2.76	0.50	0.25	2037	0.855	0.192	0.180	6.94	WCA1	WCA1
NORTH_CA1	P3	SITE_8T	0.563	6.763	0.907	13.22	15.98	14.98	15.10	2.76	0.50	0.25	2037	0.823	0.202	0.180	7.33	WCA1	WCA1
NP44	P1	DO2	1.287	0.293	0.988	–2.04	3.45	1.83	2.25	5.49	1.37	1.88	2021	0.977	0.210	0.210	3.82	ENP	ENP
NP44	P2	DO1	1.324	0.522	0.984	–2.04	3.45	1.83	2.25	5.49	1.37	1.88	2021	0.967	0.248	0.240	4.52	ENP	ENP
NP44	P3	NP72	1.115	0.336	0.989	–2.04	3.45	1.83	2.25	5.49	1.37	1.88	2021	0.979	0.198	0.200	3.61	ENP	ENP

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
NP46	P1	CY3	0.848	–0.519	0.982	–2.41	0.98	–0.13	0.10	3.38	0.72	0.53	2026	0.963	0.139	0.140	4.09	ENP	ENP
NP46	P2	CY2	0.891	–0.694	0.979	–2.41	0.98	–0.13	0.10	3.38	0.72	0.53	2026	0.959	0.146	0.140	4.32	ENP	ENP
NP46	P3	NP67	1.017	–0.699	0.975	–2.41	0.98	–0.13	0.10	3.38	0.72	0.53	2026	0.951	0.161	0.160	4.76	ENP	ENP
NP62	P1	A13	0.725	–0.895	0.970	–2.20	2.61	1.14	1.33	4.81	0.85	0.72	2015	0.940	0.207	0.200	4.31	ENP	ENP
NP62	P2	SPARO	0.915	–3.922	0.973	–2.20	2.53	1.27	1.47	4.73	0.87	0.75	1126	0.947	0.160	0.160	3.39	ENP	ENP
NP62	P3	SP	0.977	0.636	0.953	–2.20	2.61	1.14	1.33	4.81	0.85	0.72	2015	0.908	0.257	0.250	5.35	ENP	ENP
NP67	P1	TSH	1.110	0.140	0.997	–1.89	1.72	0.54	0.70	3.61	0.70	0.49	1989	0.993	0.057	0.060	1.58	ENP	ENP
NP67	P2	R127	0.965	–0.079	0.993	–1.89	1.72	0.54	0.70	3.61	0.70	0.49	1989	0.986	0.083	0.080	2.29	ENP	ENP
NP67	P3	G-1251	1.120	0.088	0.988	–1.89	1.72	0.54	0.70	3.61	0.70	0.49	1989	0.976	0.107	0.110	2.96	ENP	ENP
NP72	P1	DO1	1.185	0.173	0.992	–2.03	3.32	1.35	1.59	5.35	1.21	1.45	2004	0.984	0.154	0.150	2.87	ENP	ENP
NP72	P2	DO2	1.144	–0.027	0.990	–2.03	3.32	1.35	1.59	5.35	1.21	1.45	2004	0.979	0.173	0.170	3.24	ENP	ENP
NP72	P3	NP44	0.878	–0.266	0.989	–2.03	3.32	1.35	1.59	5.35	1.21	1.45	2004	0.979	0.176	0.170	3.28	ENP	ENP
NP201	P1	NP202	1.150	–0.361	0.938	3.22	7.80	5.74	5.70	4.58	0.77	0.60	2040	0.880	0.269	0.250	5.86	ENP	ENP
NP201	P2	G-620	0.936	1.318	0.932	3.22	7.80	5.74	5.70	4.58	0.77	0.60	2040	0.869	0.280	0.260	6.12	ENP	ENP
NP201	P3	SPARO	0.964	0.447	0.906	3.74	7.29	5.90	5.83	3.55	0.67	0.45	1082	0.821	0.331	0.300	9.32	ENP	ENP
NP202	P1	NP203	0.995	0.858	0.979	3.48	7.05	5.31	5.23	3.56	0.63	0.40	2036	0.958	0.131	0.130	3.67	ENP	ENP
NP202	P2	P33	1.151	0.031	0.964	3.48	7.05	5.31	5.23	3.56	0.63	0.40	2036	0.930	0.167	0.160	4.70	ENP	ENP
NP202	P3	NP201	0.765	0.916	0.938	3.48	7.05	5.31	5.23	3.56	0.63	0.40	2036	0.880	0.219	0.210	6.15	ENP	ENP
NP203	P1	P33	1.159	–0.842	0.986	2.47	6.02	4.47	4.49	3.56	0.63	0.39	2001	0.973	0.103	0.100	2.89	ENP	ENP
NP203	P2	NP202	0.963	–0.638	0.979	2.47	6.02	4.47	4.49	3.56	0.63	0.39	2001	0.958	0.129	0.130	3.62	ENP	ENP
NP203	P3	G-620	0.770	0.838	0.956	2.47	6.02	4.47	4.49	3.56	0.63	0.39	2001	0.914	0.184	0.180	5.17	ENP	ENP
NP205	P1	SPARO	1.298	–3.062	0.960	1.55	5.86	4.45	4.74	4.31	1.01	1.01	1125	0.921	0.280	0.270	6.50	ENP	ENP
NP205	P2	LOOP2_H	1.159	–1.508	0.930	0.74	6.12	4.37	4.69	5.38	1.04	1.08	2039	0.865	0.354	0.330	6.59	ENP	BCNP
NP205	P3	LOOP2_T	1.226	–1.755	0.926	0.74	6.12	4.37	4.69	5.38	1.04	1.08	2039	0.857	0.375	0.350	6.98	ENP	BCNP
NP206	P1	CR3	0.948	0.586	0.988	–0.36	5.48	3.79	4.31	5.84	1.26	1.60	2035	0.976	0.196	0.190	3.36	ENP	ENP
NP206	P2	RG1	0.980	0.219	0.983	–0.36	5.48	3.79	4.31	5.84	1.26	1.60	2035	0.966	0.233	0.230	3.98	ENP	ENP
NP206	P3	RG2	0.952	0.510	0.978	–0.36	5.48	3.79	4.31	5.84	1.26	1.60	2035	0.956	0.265	0.260	4.54	ENP	ENP
NTS1	P1	S175_H	1.014	0.017	0.998	–0.79	4.63	2.56	2.75	5.42	1.27	1.60	2011	0.997	0.073	0.070	1.34	ENP	ENP

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
NTS1	P2	L31W	1.014	–0.033	0.998	–0.79	4.63	2.56	2.75	5.42	1.27	1.60	2011	0.996	0.078	0.080	1.44	ENP	ENP
NTS1	P3	E112	1.003	0.232	0.994	–0.79	4.63	2.56	2.75	5.42	1.27	1.60	2011	0.989	0.134	0.130	2.48	ENP	ENP
NTS10	P1	E112	1.075	0.331	0.995	–0.88	4.74	2.84	3.15	5.63	1.35	1.83	2040	0.991	0.129	0.130	2.29	ENP	ENP
NTS10	P2	R3110	0.955	0.190	0.993	–0.88	4.74	2.84	3.15	5.63	1.35	1.83	2040	0.985	0.165	0.160	2.94	ENP	ENP
NTS10	P3	NTS1	1.061	0.108	0.992	–0.88	4.74	2.84	3.15	5.63	1.35	1.83	2040	0.984	0.171	0.170	3.04	ENP	ENP
NTS14	P1	NP44	1.052	0.153	0.976	–1.69	4.35	2.07	2.27	6.04	1.47	2.18	2025	0.952	0.325	0.320	5.38	ENP	ENP
NTS14	P2	NP72	1.193	0.476	0.979	–1.69	4.35	2.07	2.27	6.04	1.47	2.18	2025	0.959	0.296	0.290	4.90	ENP	ENP
NTS14	P3	TSB	1.230	0.032	0.972	–1.69	4.35	2.07	2.27	6.04	1.47	2.18	2025	0.944	0.349	0.340	5.77	ENP	ENP
NTS18	P1	S175_H	1.065	0.187	0.977	–0.63	5.34	2.87	2.98	5.97	1.36	1.84	2037	0.955	0.289	0.280	4.84	ENP	ENP
NTS18	P2	NTS1	1.050	0.173	0.977	–0.63	5.34	2.87	2.98	5.97	1.36	1.84	2037	0.954	0.291	0.280	4.86	ENP	ENP
NTS18	P3	RG3	0.919	–0.256	0.975	–0.63	5.34	2.87	2.98	5.97	1.36	1.84	2037	0.950	0.298	0.290	4.99	ENP	ENP
OL	P1	EVER5A	1.039	0.194	0.964	–2.12	1.07	–0.26	–0.18	3.19	0.53	0.28	2034	0.929	0.142	0.140	4.45	ENP	ENP
OL	P2	NP67	0.724	–0.665	0.947	–2.12	1.07	–0.26	–0.18	3.19	0.53	0.28	2034	0.897	0.171	0.160	5.35	ENP	ENP
OL	P3	G-1251	0.819	–0.604	0.945	–2.12	1.07	–0.26	–0.18	3.19	0.53	0.28	2034	0.893	0.172	0.160	5.39	ENP	ENP
OT	P1	EDEN_3	1.411	0.120	0.952	–0.90	1.97	0.50	0.62	2.87	0.64	0.40	2017	0.907	0.186	0.180	6.49	ENP	ENP
OT	P2	P34	0.911	–0.552	0.950	–0.90	1.97	0.50	0.62	2.87	0.64	0.40	2017	0.903	0.200	0.190	6.96	ENP	ENP
OT	P3	MO-214	1.361	–0.117	0.947	–0.90	1.97	0.50	0.62	2.87	0.64	0.40	2017	0.896	0.205	0.190	7.15	ENP	ENP
P33	P1	NP203	0.839	0.830	0.986	2.58	5.78	4.59	4.60	3.20	0.53	0.28	2040	0.973	0.087	0.090	2.73	ENP	ENP
P33	P2	NP202	0.808	0.298	0.964	2.58	5.78	4.59	4.60	3.20	0.53	0.28	2040	0.930	0.140	0.140	4.38	ENP	ENP
P33	P3	P36	0.826	2.401	0.951	2.58	5.78	4.59	4.60	3.20	0.53	0.28	2040	0.905	0.163	0.160	5.09	ENP	ENP
P34	P1	OT	0.990	0.659	0.950	–1.04	2.78	1.15	1.16	3.82	0.67	0.44	1997	0.903	0.208	0.200	5.46	ENP	ENP
P34	P2	MO-214	1.427	0.516	0.951	–1.04	2.78	1.15	1.16	3.82	0.67	0.44	1997	0.905	0.205	0.200	5.37	ENP	ENP
P34	P3	EDEN_3	1.424	0.766	0.928	–1.04	2.78	1.15	1.16	3.82	0.67	0.44	1997	0.861	0.237	0.220	6.20	ENP	ENP
P35	P1	Upstream_Broad_River	0.881	0.275	0.976	–1.18	1.46	0.19	0.14	2.64	0.49	0.24	2008	0.952	0.108	0.110	4.09	ENP	ENP

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
P35	P2	Bottle_Creek_at_Rookery_Branch	0.735	–0.021	0.948	–1.18	1.46	0.19	0.14	2.64	0.49	0.24	2008	0.899	0.157	0.150	5.96	ENP	ENP
P35	P3	CN	0.989	0.084	0.939	–1.18	1.46	0.19	0.14	2.64	0.49	0.24	2008	0.881	0.170	0.160	6.44	ENP	ENP
P36	P1	NP203	0.937	–1.550	0.958	0.27	3.99	2.64	2.66	3.72	0.61	0.37	2040	0.918	0.176	0.170	4.73	ENP	ENP
P36	P2	P33	1.095	–2.379	0.951	0.27	3.99	2.64	2.66	3.72	0.61	0.37	2040	0.905	0.188	0.180	5.05	ENP	ENP
P36	P3	NP62	0.652	1.906	0.912	0.27	3.99	2.64	2.66	3.72	0.61	0.37	2040	0.832	0.249	0.230	6.69	ENP	ENP
P37	P1	E146	1.166	0.351	0.978	–2.25	1.00	–0.10	–0.02	3.25	0.59	0.35	2040	0.957	0.121	0.120	3.72	ENP	ENP
P37	P2	TSH	0.931	–0.448	0.979	–2.25	1.00	–0.10	–0.02	3.25	0.59	0.35	2040	0.959	0.121	0.120	3.72	ENP	ENP
P37	P3	NP67	0.829	–0.562	0.974	–2.25	1.00	–0.10	–0.02	3.25	0.59	0.35	2040	0.949	0.134	0.130	4.12	ENP	ENP
P38	P1	SR1	0.902	–0.156	0.935	–1.83	1.12	0.06	0.11	2.95	0.59	0.35	1951	0.874	0.173	0.160	5.85	ENP	ENP
P38	P2	NP62	0.639	–0.654	0.934	–1.83	1.12	0.06	0.11	2.95	0.59	0.35	1951	0.873	0.209	0.200	7.10	ENP	ENP
P38	P3	NMP	0.974	0.499	0.926	–1.83	1.12	0.06	0.11	2.95	0.59	0.35	1951	0.857	0.223	0.210	7.57	ENP	ENP
R127	P1	NP67	1.021	0.090	0.993	–1.84	1.97	0.67	0.82	3.81	0.70	0.49	2029	0.986	0.085	0.080	2.23	ENP	ENP
R127	P2	TSH	1.136	0.231	0.992	–1.84	1.97	0.67	0.82	3.81	0.70	0.49	2029	0.985	0.087	0.090	2.29	ENP	ENP
R127	P3	G-1251	1.150	0.179	0.989	–1.84	1.97	0.67	0.82	3.81	0.70	0.49	2029	0.978	0.103	0.100	2.71	ENP	ENP
R3110	P1	NTS10	1.032	–0.154	0.993	–1.14	4.55	2.77	3.28	5.69	1.41	1.98	2040	0.985	0.172	0.170	3.02	ENP	ENP
R3110	P2	E112	1.112	0.180	0.991	–1.14	4.55	2.77	3.28	5.69	1.41	1.98	2040	0.981	0.192	0.190	3.37	ENP	ENP
R3110	P3	CR2	1.023	–0.701	0.990	–1.14	4.55	2.77	3.28	5.69	1.41	1.98	2040	0.980	0.201	0.200	3.54	ENP	ENP
RG1	P1	G-1502	1.055	–0.819	0.990	–0.70	5.23	3.64	4.12	5.93	1.28	1.64	2013	0.980	0.183	0.180	3.08	ENP	ENP
RG1	P2	RG2	0.968	0.307	0.990	–0.70	5.23	3.64	4.12	5.93	1.28	1.64	2013	0.980	0.181	0.180	3.06	ENP	ENP
RG1	P3	G-3273	1.053	–0.754	0.986	–0.70	5.23	3.64	4.12	5.93	1.28	1.64	2013	0.972	0.216	0.210	3.64	ENP	ENP
RG2	P1	RG1	1.012	–0.242	0.990	–0.63	5.17	3.43	3.77	5.81	1.31	1.71	2018	0.980	0.185	0.180	3.19	ENP	ENP
RG2	P2	CR2	0.951	0.210	0.990	–0.63	5.17	3.43	3.77	5.81	1.31	1.71	2018	0.980	0.185	0.180	3.19	ENP	ENP
RG2	P3	NP206	1.004	–0.363	0.978	–0.63	5.17	3.43	3.77	5.81	1.31	1.71	2018	0.956	0.272	0.270	4.69	ENP	ENP
RG3	P1	G-3437	1.051	–0.452	0.982	–0.55	5.35	3.43	3.35	5.90	1.42	2.00	2015	0.964	0.270	0.270	4.57	ENP	ENP
RG3	P2	NTS18	1.034	0.436	0.975	–0.55	5.35	3.43	3.35	5.90	1.42	2.00	2015	0.950	0.316	0.310	5.35	ENP	ENP
RG3	P3	RG2	1.060	–0.251	0.957	–0.55	5.35	3.43	3.35	5.90	1.42	2.00	2015	0.915	0.413	0.400	6.99	ENP	ENP

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
S10A_T	P1	S10C_T	0.957	0.440	0.997	9.88	14.16	11.29	11.11	4.28	0.83	0.68	1936	0.995	0.062	0.060	1.44	WCA2	WCA2
S10A_T	P2	S10D_T	0.926	0.760	0.995	9.88	14.16	11.29	11.11	4.28	0.83	0.68	1936	0.990	0.084	0.080	1.95	WCA2	WCA2
S10A_T	P3	WCA2F1	1.063	–0.756	0.878	9.88	14.16	11.29	11.11	4.28	0.83	0.68	1936	0.770	0.392	0.340	9.16	WCA2	WCA2
S10A_H	P1	S10C_H	1.012	–0.213	0.999	11.47	15.97	14.45	14.68	4.50	0.91	0.83	2017	0.998	0.042	0.040	0.94	WCA1	WCA1
S10A_H	P2	S39_H	0.996	0.065	0.998	11.47	15.97	14.45	14.68	4.50	0.91	0.83	2017	0.996	0.056	0.060	1.24	WCA1	WCA1
S10A_H	P3	S10D_H	1.007	–0.169	0.997	11.47	15.97	14.45	14.68	4.50	0.91	0.83	2017	0.994	0.066	0.070	1.46	WCA1	WCA1
S10C_T	P1	S10A_T	1.039	–0.395	0.997	9.89	14.27	11.33	11.11	4.38	0.86	0.73	1948	0.995	0.064	0.060	1.46	WCA2	WCA2
S10C_T	P2	S10D_T	0.966	0.356	0.997	9.89	14.27	11.33	11.11	4.38	0.86	0.73	1948	0.994	0.070	0.070	1.61	WCA2	WCA2
S10C_T	P3	WCA2F1	1.096	–1.088	0.862	9.89	14.27	11.33	11.11	4.38	0.86	0.73	1948	0.743	0.430	0.370	9.83	WCA2	WCA2
S10C_H	P1	S10A_H	0.986	0.240	0.999	11.54	16.00	14.51	14.74	4.45	0.91	0.83	1981	0.998	0.042	0.040	0.93	WCA1	WCA1
S10C_H	P2	S39_H	0.984	0.278	0.999	11.54	16.00	14.51	14.74	4.45	0.91	0.83	1981	0.998	0.039	0.040	0.87	WCA1	WCA1
S10C_H	P3	S10D_H	0.996	0.039	0.998	11.54	16.00	14.51	14.74	4.45	0.91	0.83	1981	0.996	0.052	0.050	1.17	WCA1	WCA1
S10D_T	P1	S10C_T	1.029	–0.292	0.997	9.90	14.50	11.39	11.18	4.60	0.90	0.82	1908	0.994	0.073	0.070	1.58	WCA2	WCA2
S10D_T	P2	S10A_T	1.070	–0.702	0.995	9.90	14.50	11.39	11.18	4.60	0.90	0.82	1908	0.990	0.090	0.090	1.95	WCA2	WCA2
S10D_T	P3	WCA2F1	1.119	–1.301	0.852	9.90	14.50	11.39	11.18	4.60	0.90	0.82	1908	0.726	0.470	0.400	10.21	WCA2	WCA2
S10D_H	P1	S10C_H	1.001	0.015	0.998	12.04	16.00	14.56	14.78	3.96	0.86	0.73	1998	0.996	0.052	0.050	1.32	WCA1	WCA1
S10D_H	P2	S39_H	0.985	0.284	0.998	12.04	16.00	14.56	14.78	3.96	0.86	0.73	1998	0.995	0.057	0.060	1.44	WCA1	WCA1
S10D_H	P3	S10A_H	0.987	0.252	0.997	12.04	16.00	14.56	14.78	3.96	0.86	0.73	1998	0.994	0.065	0.060	1.64	WCA1	WCA1
S11A_T	P1	S11B_T	0.992	0.013	0.999	5.66	11.50	8.35	8.43	5.84	1.16	1.35	1971	0.998	0.052	0.050	0.88	WCA3	WCA3
S11A_T	P2	S142_H	1.023	–0.102	0.999	5.66	11.50	8.35	8.43	5.84	1.16	1.35	1971	0.997	0.059	0.060	1.00	WCA3	WCA3
S11A_T	P3	S11C_T	0.977	0.109	0.998	5.66	11.50	8.35	8.43	5.84	1.16	1.35	1971	0.995	0.079	0.080	1.35	WCA3	WCA3
S11A_H	P1	S11B_H	1.001	–0.017	1.000	7.59	12.48	10.22	10.21	4.89	1.02	1.04	1966	0.999	0.027	0.030	0.56	WCA2	WCA2
S11A_H	P2	S11C_H	1.001	–0.002	0.999	7.59	12.48	10.22	10.21	4.89	1.02	1.04	1966	0.998	0.047	0.050	0.95	WCA2	WCA2
S11A_H	P3	S144_H	0.970	0.347	0.985	7.59	12.48	10.22	10.21	4.89	1.02	1.04	1966	0.971	0.174	0.170	3.55	WCA2	WCA2
S11B_T	P1	S11C_T	0.981	0.128	0.999	6.25	11.59	8.55	8.57	5.34	1.09	1.19	1846	0.998	0.050	0.050	0.94	WCA3	WCA3
S11B_T	P2	S11A_T	1.005	0.007	0.999	6.25	11.59	8.55	8.57	5.34	1.09	1.19	1846	0.998	0.052	0.050	0.97	WCA3	WCA3
S11B_T	P3	S142_H	1.034	–0.148	0.996	6.25	11.59	8.55	8.57	5.34	1.09	1.19	1846	0.993	0.092	0.090	1.71	WCA3	WCA3
S11B_H	P1	S11A_H	0.998	0.025	1.000	7.71	12.43	10.23	10.21	4.71	1.00	1.00	2011	0.999	0.027	0.030	0.58	WCA2	WCA2

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
S11B_H	P2	S11C_H	0.999	0.019	0.999	7.71	12.43	10.23	10.21	4.71	1.00	1.00	2011	0.999	0.035	0.040	0.75	WCA2	WCA2
S11B_H	P3	S144_H	0.954	0.507	0.980	7.71	12.43	10.23	10.21	4.71	1.00	1.00	2011	0.961	0.199	0.190	4.22	WCA2	WCA2
S11C_T	P1	S11B_T	1.017	–0.111	0.999	6.20	11.72	8.53	8.58	5.52	1.14	1.31	1919	0.998	0.051	0.050	0.93	WCA3	WCA3
S11C_T	P2	S11A_T	1.018	–0.068	0.998	6.20	11.72	8.53	8.58	5.52	1.14	1.31	1919	0.995	0.080	0.080	1.45	WCA3	WCA3
S11C_T	P3	S142_H	1.045	–0.206	0.995	6.20	11.72	8.53	8.58	5.52	1.14	1.31	1919	0.990	0.116	0.120	2.11	WCA3	WCA3
S11C_H	P1	S11B_H	1.000	–0.006	0.999	7.58	12.45	10.22	10.20	4.87	1.00	1.01	2007	0.999	0.035	0.040	0.72	WCA2	WCA2
S11C_H	P2	S11A_H	0.997	0.023	0.999	7.58	12.45	10.22	10.20	4.87	1.00	1.01	2007	0.998	0.046	0.050	0.95	WCA2	WCA2
S11C_H	P3	S144_H	0.958	0.453	0.982	7.58	12.45	10.22	10.20	4.87	1.00	1.01	2007	0.964	0.189	0.190	3.89	WCA2	WCA2
S12A_T	P1	S12C_T	0.747	1.693	0.905	5.56	9.30	6.85	6.58	3.75	0.76	0.58	1741	0.819	0.314	0.280	8.37	ENP	ENP
S12A_T	P2	S343B_T	1.333	–2.502	0.905	5.56	9.30	6.85	6.58	3.75	0.76	0.58	1741	0.819	0.323	0.290	8.62	ENP	BCNP
S12A_T	P3	S12B_T	0.757	1.652	0.895	5.56	9.30	6.85	6.58	3.75	0.76	0.58	1741	0.801	0.339	0.300	9.06	ENP	ENP
S12A_H	P1	S12B_H	0.979	0.145	0.999	6.01	9.31	7.80	7.87	3.30	0.65	0.42	1736	0.997	0.034	0.030	1.01	WCA3	WCA3
S12A_H	P2	S343B_H	0.999	0.008	0.997	6.01	9.31	7.80	7.87	3.30	0.65	0.42	1736	0.994	0.049	0.050	1.47	WCA3	WCA3
S12A_H	P3	S12C_H	0.955	0.328	0.997	6.01	9.31	7.80	7.87	3.30	0.65	0.42	1736	0.993	0.053	0.050	1.61	WCA3	WCA3
S12B_T	P1	S12C_T	0.970	0.172	0.989	5.25	9.42	6.87	6.46	4.16	0.90	0.81	1733	0.978	0.131	0.130	3.15	ENP	ENP
S12B_T	P2	W18	1.437	–5.461	0.919	5.25	9.42	6.87	6.46	4.16	0.90	0.81	1733	0.845	0.352	0.320	8.47	ENP	WCA3
S12B_T	P3	S12A_T	1.058	–0.382	0.895	5.25	9.42	6.87	6.46	4.16	0.90	0.81	1733	0.801	0.401	0.360	9.64	ENP	ENP
S12B_H	P1	S12A_H	1.019	–0.128	0.999	5.98	9.43	7.82	7.90	3.45	0.66	0.44	1742	0.997	0.034	0.030	0.99	WCA3	WCA3
S12B_H	P2	S12C_H	0.975	0.187	0.999	5.98	9.43	7.82	7.90	3.45	0.66	0.44	1742	0.997	0.034	0.030	0.99	WCA3	WCA3
S12B_H	P3	S343B_H	1.017	–0.110	0.995	5.98	9.43	7.82	7.90	3.45	0.66	0.44	1742	0.990	0.066	0.070	1.92	WCA3	WCA3
S12C_T	P1	S12B_T	1.008	–0.020	0.989	5.25	9.51	6.88	6.49	4.25	0.89	0.80	1727	0.978	0.134	0.130	3.15	ENP	ENP
S12C_T	P2	W18	1.475	–5.761	0.920	5.25	9.51	6.88	6.49	4.25	0.89	0.80	1727	0.846	0.348	0.320	8.19	ENP	WCA3
S12C_T	P3	S12A_T	1.097	–0.611	0.905	5.25	9.51	6.88	6.49	4.25	0.89	0.80	1727	0.819	0.380	0.340	8.93	ENP	ENP
S12C_H	P1	S12B_H	1.023	–0.171	0.999	4.73	9.52	7.70	7.85	4.79	0.78	0.61	2029	0.997	0.035	0.030	0.73	WCA3	WCA3
S12C_H	P2	S12A_H	1.040	–0.288	0.997	4.73	9.52	7.70	7.85	4.79	0.78	0.61	2029	0.993	0.055	0.060	1.16	WCA3	WCA3
S12C_H	P3	S333_H	0.945	0.428	0.996	4.73	9.52	7.70	7.85	4.79	0.78	0.61	2029	0.993	0.066	0.070	1.39	WCA3	WCA3
S12D_T	P1	3AS	1.610	–7.119	0.908	4.13	9.68	6.85	7.01	5.55	1.34	1.78	1733	0.824	0.575	0.520	10.37	ENP	WCA3
S12D_T	P2	S142_H	1.119	–2.578	0.908	4.13	9.68	6.85	7.01	5.55	1.34	1.78	1733	0.824	0.565	0.510	10.18	ENP	WCA3

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
S12D_T	P3	S11A_T	1.065	–2.192	0.900	4.13	9.68	6.85	7.01	5.55	1.34	1.78	1733	0.811	0.583	0.520	10.50	ENP	WCA3
S12D_H	P1	S333_H	0.961	0.350	0.999	5.96	9.70	7.86	7.91	3.74	0.69	0.48	1717	0.997	0.035	0.040	0.95	WCA3	WCA3
S12D_H	P2	S12C_H	1.019	–0.106	0.995	5.96	9.70	7.86	7.91	3.74	0.69	0.48	1717	0.990	0.068	0.070	1.81	WCA3	WCA3
S12D_H	P3	S12B_H	1.042	–0.282	0.992	5.96	9.70	7.86	7.91	3.74	0.69	0.48	1717	0.984	0.087	0.090	2.33	WCA3	WCA3
S140_H	P1	USSO_O	0.961	0.221	0.969	6.78	9.94	8.65	8.77	3.17	0.52	0.28	2040	0.940	0.129	0.125	4.06	WCA3	NW of WCA3
S140_H (Only one predictor)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	--	–	–
S140_H (Only one predictor)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	--	–	–
S140_T	P1	S339_T	1.160	–1.205	0.975	6.08	11.42	9.18	9.21	5.35	1.07	1.14	2037	0.951	0.240	0.230	4.48	WCA3	WCA3
S140_T	P2	S340_H	1.204	–1.532	0.974	6.08	11.42	9.18	9.21	5.35	1.07	1.14	2037	0.949	0.242	0.240	4.52	WCA3	WCA3
S140_T	P3	SITE_62	1.231	–2.397	0.971	6.08	11.42	9.18	9.21	5.35	1.07	1.14	2037	0.942	0.259	0.250	4.84	WCA3	WCA3
S141_H	P1	SITE_99	0.710	2.244	0.930	4.55	9.74	7.94	8.15	5.19	1.00	1.00	1691	0.866	0.368	0.340	7.08	WCA2	WCA2
S141_H	P2	S141_T	0.995	–0.018	0.919	4.55	9.74	7.94	8.15	5.19	1.00	1.00	1691	0.845	0.395	0.360	7.61	WCA2	WCA2
S141_H	P3	S34_H	0.977	0.051	0.902	4.55	9.74	7.94	8.15	5.19	1.00	1.00	1691	0.814	0.432	0.390	8.32	WCA2	WCA2
S141_T	P1	S143_T	0.958	0.268	0.966	5.34	9.72	7.99	8.15	4.39	0.93	0.86	1715	0.934	0.238	0.230	5.43	WCA2	WCA2
S141_T	P2	S34_H	0.968	0.187	0.966	5.34	9.72	7.99	8.15	4.39	0.93	0.86	1715	0.933	0.239	0.230	5.44	WCA2	WCA2
S141_T	P3	S142_T	0.969	0.102	0.965	5.34	9.72	7.99	8.15	4.39	0.93	0.86	1715	0.931	0.245	0.240	5.58	WCA2	WCA2
S142_H	P1	S11A_T	0.975	0.121	0.999	4.76	11.29	8.26	8.37	6.53	1.19	1.41	2001	0.997	0.057	0.060	0.88	WCA3	WCA3
S142_H	P2	S11B_T	0.960	0.202	0.996	4.76	11.29	8.26	8.37	6.53	1.19	1.41	2001	0.993	0.088	0.090	1.35	WCA3	WCA3
S142_H	P3	S11C_T	0.947	0.282	0.995	4.76	11.29	8.26	8.37	6.53	1.19	1.41	2001	0.990	0.111	0.110	1.69	WCA3	WCA3
S142_T	P1	S34_H	0.994	0.127	0.999	5.42	9.84	8.07	8.23	4.41	0.94	0.89	1982	0.998	0.038	0.040	0.85	WCA2	WCA2
S142_T	P2	S143_T	0.978	0.260	0.997	5.42	9.84	8.07	8.23	4.41	0.94	0.89	1982	0.994	0.075	0.070	1.69	WCA2	WCA2
S142_T	P3	S141_T	0.961	0.467	0.965	5.42	9.84	8.07	8.23	4.41	0.94	0.89	1982	0.931	0.244	0.240	5.52	WCA2	WCA2
S143_T	P1	S142_T	1.016	–0.214	0.997	5.37	9.78	7.96	8.15	4.41	0.97	0.93	2040	0.994	0.076	0.080	1.73	WCA2	WCA2
S143_T	P2	S34_H	1.011	–0.094	0.998	5.37	9.78	7.96	8.15	4.41	0.97	0.93	2040	0.997	0.053	0.050	1.20	WCA2	WCA2
S143_T	P3	S141_T	0.974	0.273	0.966	5.37	9.78	7.96	8.15	4.41	0.97	0.93	2040	0.934	0.240	0.230	5.45	WCA2	WCA2

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
S144_H	P1	S145_H	0.979	0.175	0.997	7.47	12.66	10.18	10.19	5.18	1.04	1.07	2040	0.995	0.073	0.070	1.42	WCA2	WCA2
S144_H	P2	S146_H	0.960	0.362	0.996	7.47	12.66	10.18	10.19	5.18	1.04	1.07	2040	0.992	0.094	0.090	1.81	WCA2	WCA2
S144_H	P3	S11A_H	1.001	–0.053	0.985	7.47	12.66	10.18	10.19	5.18	1.04	1.07	2040	0.971	0.176	0.170	3.40	WCA2	WCA2
S144_T	P1	S146_T	0.968	0.131	0.981	7.58	10.34	9.22	9.14	2.76	0.68	0.46	2040	0.962	0.132	0.130	4.77	WCA2	WCA2
S144_T	P2	S145_T	0.994	0.139	0.968	7.58	10.34	9.22	9.14	2.76	0.68	0.46	2040	0.937	0.170	0.160	6.17	WCA2	WCA2
S144_T	P3	EVER8	0.954	8.753	0.731	7.58	10.34	9.22	9.14	2.76	0.68	0.46	2040	0.534	0.463	0.340	16.78	WCA2	ENP
S145_H	P1	S146_H	0.981	0.189	0.999	7.52	12.77	10.23	10.22	5.25	1.06	1.11	2040	0.997	0.057	0.060	1.08	WCA2	WCA2
S145_H	P2	S144_H	1.017	–0.127	0.997	7.52	12.77	10.23	10.22	5.25	1.06	1.11	2040	0.995	0.075	0.070	1.42	WCA2	WCA2
S145_H	P3	WCA2U1	1.133	–1.651	0.974	7.52	12.77	10.23	10.22	5.25	1.06	1.11	2040	0.949	0.216	0.210	4.11	WCA2	WCA2
S145_T	P1	S144_T	0.943	0.443	0.968	7.38	10.22	9.13	9.23	2.84	0.66	0.44	2040	0.937	0.166	0.160	5.82	WCA2	WCA2
S145_T	P2	S146_T	0.921	0.486	0.959	7.38	10.22	9.13	9.23	2.84	0.66	0.44	2040	0.919	0.188	0.180	6.61	WCA2	WCA2
S145_T	P3	SITE_17	0.558	3.225	0.742	7.38	10.22	9.13	9.23	2.84	0.66	0.44	2040	0.551	0.441	0.330	15.50	WCA2	WCA2
S146_H	P1	S145_H	1.016	–0.163	0.999	7.51	12.95	10.23	10.25	5.44	1.07	1.15	2040	0.997	0.058	0.060	1.06	WCA2	WCA2
S146_H	P2	S144_H	1.033	–0.290	0.996	7.51	12.95	10.23	10.25	5.44	1.07	1.15	2040	0.992	0.097	0.100	1.79	WCA2	WCA2
S146_H	P3	WCA2U1	1.155	–1.884	0.977	7.51	12.95	10.23	10.25	5.44	1.07	1.15	2040	0.954	0.208	0.200	3.83	WCA2	WCA2
S146_T	P1	S144_T	0.994	0.223	0.981	7.54	10.64	9.39	9.25	3.10	0.69	0.47	2040	0.962	0.133	0.130	4.30	WCA2	WCA2
S146_T	P2	S145_T	0.998	0.276	0.959	7.54	10.64	9.39	9.25	3.10	0.69	0.47	2040	0.919	0.196	0.190	6.32	WCA2	WCA2
S146_T	P3	SITE_17	0.556	3.504	0.710	7.54	10.64	9.39	9.25	3.10	0.69	0.47	2040	0.504	0.483	0.340	15.58	WCA2	WCA2
S150_T	P1	S142_H	0.949	0.633	0.959	4.82	11.29	8.44	8.61	6.47	1.17	1.36	2037	0.920	0.332	0.320	5.13	WCA3	WCA3
S150_T	P2	S11C_T	0.889	0.996	0.957	4.82	11.29	8.44	8.61	6.47	1.17	1.36	2037	0.916	0.306	0.290	4.73	WCA3	WCA3
S150_T	P3	S11B_T	0.896	0.966	0.950	4.82	11.29	8.44	8.61	6.47	1.17	1.36	2037	0.903	0.318	0.300	4.92	WCA3	WCA3
S151_H	P1	S340_T	0.922	0.417	0.998	4.60	10.59	7.83	7.93	5.99	1.02	1.05	1928	0.996	0.067	0.070	1.11	WCA3	WCA3
S151_H	P2	S9A_T	0.923	0.335	0.997	4.60	10.59	7.83	7.93	5.99	1.02	1.05	1928	0.994	0.076	0.080	1.27	WCA3	WCA3
S151_H	P3	EDEN_4	0.917	0.354	0.989	4.60	10.59	7.83	7.93	5.99	1.02	1.05	1928	0.979	0.136	0.130	2.27	WCA3	WCA3
S175_H	P1	L31W	1.001	–0.050	0.999	–0.80	4.58	2.52	2.68	5.38	1.24	1.55	2040	0.998	0.049	0.050	0.91	ENP	ENP
S175_H	P2	NTS1	0.983	–0.008	0.998	–0.80	4.58	2.52	2.68	5.38	1.24	1.55	2040	0.997	0.071	0.070	1.33	ENP	ENP
S175_H	P3	S332_T	1.048	–0.134	0.995	–0.80	4.58	2.52	2.68	5.38	1.24	1.55	2040	0.989	0.070	0.070	1.31	ENP	ENP
S18C_T	P1	CV5NR	0.990	–0.021	0.997	–1.37	1.48	0.40	0.48	2.85	0.53	0.28	1985	0.995	0.038	0.040	1.35	ENP	ENP

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
S18C_T	P2	CT27R	0.994	–0.127	0.996	–1.37	1.48	0.40	0.48	2.85	0.53	0.28	1985	0.993	0.040	0.040	1.40	ENP	ENP
S18C_T	P3	CT50R	1.012	0.049	0.995	–1.37	1.48	0.40	0.48	2.85	0.53	0.28	1985	0.990	0.052	0.050	1.82	ENP	ENP
S190_T	P1	BCA18	0.671	1.597	0.888	6.16	12.93	9.43	9.52	6.78	0.96	0.92	2012	0.789	0.422	0.370	6.23	BCNP	BCNP
S190_T	P2	SITE_62	1.079	–0.751	0.904	6.16	12.93	9.43	9.52	6.78	0.96	0.92	2012	0.816	0.412	0.370	6.08	BCNP	WCA3
S190_T	P3	3ANW_GW	0.864	0.732	0.891	6.16	12.93	9.43	9.52	6.78	0.96	0.92	2012	0.793	0.465	0.410	6.86	BCNP	WCA3
S332_T	P1	S175_H	0.944	0.161	0.995	2.07	4.47	3.25	3.34	2.40	0.65	0.42	1336	0.989	0.067	0.070	2.78	ENP	ENP
S332_T	P2	NTS1	0.971	0.006	0.995	2.07	4.47	3.25	3.34	2.40	0.65	0.42	1336	0.989	0.067	0.070	2.80	ENP	ENP
S332_T	P3	L31W	0.947	0.107	0.994	2.07	4.47	3.25	3.34	2.40	0.65	0.42	1336	0.988	0.070	0.070	2.92	ENP	ENP
S333_H	P1	S12D_H	1.038	–0.343	0.999	4.68	9.76	7.71	7.82	5.07	0.84	0.70	2023	0.997	0.037	0.040	0.73	WCA3	WCA3
S333_H	P2	S12C_H	1.050	–0.394	0.996	4.68	9.76	7.71	7.82	5.07	0.84	0.70	2023	0.993	0.070	0.070	1.38	WCA3	WCA3
S333_H	P3	S12B_H	1.084	–0.654	0.990	4.68	9.76	7.71	7.82	5.07	0.84	0.70	2023	0.981	0.100	0.100	1.97	WCA3	WCA3
S333_T	P1	S334_H	0.998	0.006	0.996	2.08	6.42	5.29	5.41	4.34	0.68	0.46	2013	0.993	0.058	0.060	1.34	WCA3	WCA3
S333_T	P2	G-3576	0.652	2.269	0.934	2.08	6.42	5.29	5.41	4.34	0.68	0.46	2013	0.873	0.243	0.230	5.58	WCA3	ENP
S333_T	P3	G-3574	0.695	2.508	0.921	2.08	6.42	5.29	5.41	4.34	0.68	0.46	2013	0.848	0.261	0.240	6.02	WCA3	ENP
S334_H	P1	S333_T	0.995	0.033	0.996	2.05	6.33	5.29	5.44	4.28	0.68	0.46	2040	0.993	0.058	0.060	1.36	WCA3	WCA3
S334_H	P2	G-3576	0.646	2.301	0.932	2.05	6.33	5.29	5.44	4.28	0.68	0.46	2040	0.868	0.246	0.230	5.75	WCA3	ENP
S334_H	P3	G-3574	0.687	2.551	0.917	2.05	6.33	5.29	5.44	4.28	0.68	0.46	2040	0.842	0.265	0.240	6.19	WCA3	ENP
S334_T	P1	S336_H	1.002	0.114	0.999	0.60	4.76	3.79	4.10	4.16	0.76	0.57	2040	0.998	0.037	0.040	0.90	WCA3	WCA3
S334_T	P2	L31N_1	1.006	–0.063	0.999	0.60	4.76	3.79	4.10	4.16	0.76	0.57	2040	0.997	0.041	0.040	0.99	WCA3	ENP
S334_T	P3	L31N_3	1.017	–0.095	0.998	0.60	4.76	3.79	4.10	4.16	0.76	0.57	2040	0.997	0.043	0.040	1.03	WCA3	ENP
S343A_H	P1	S343B_H	0.993	0.053	0.999	4.72	9.28	7.62	7.78	4.56	0.77	0.59	1841	0.997	0.040	0.040	0.89	WCA3	WCA3
S343A_H	P2	S12A_H	0.969	0.228	0.994	4.72	9.28	7.62	7.78	4.56	0.77	0.59	1841	0.988	0.070	0.070	1.55	WCA3	WCA3
S343A_H	P3	S12B_H	0.949	0.369	0.992	4.72	9.28	7.62	7.78	4.56	0.77	0.59	1841	0.983	0.085	0.080	1.86	WCA3	WCA3
S343A_T	P1	S343B_T	1.063	–0.358	0.994	4.26	8.71	6.98	6.99	4.45	0.66	0.43	1800	0.988	0.072	0.070	1.61	BCNP	BCNP
S343A_T	P2	S344_T	0.815	0.824	0.971	4.26	8.71	6.98	6.99	4.45	0.66	0.43	1800	0.942	0.160	0.160	3.60	BCNP	BCNP
S343A_T	P3	3AS	0.749	0.595	0.932	4.26	8.71	6.98	6.99	4.45	0.66	0.43	1800	0.869	0.244	0.230	5.49	BCNP	WCA3
S343B_H	P1	S343A_H	1.004	–0.032	0.999	4.74	9.29	7.68	7.82	4.55	0.76	0.58	2039	0.997	0.041	0.040	0.89	WCA3	WCA3
S343B_H	P2	S12A_H	0.995	0.035	0.997	4.74	9.29	7.68	7.82	4.55	0.76	0.58	2039	0.994	0.048	0.050	1.06	WCA3	WCA3

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
S343B_H	P3	S12B_H	0.974	0.185	0.995	4.74	9.29	7.68	7.82	4.55	0.76	0.58	2039	0.990	0.065	0.060	1.42	WCA3	WCA3
S343B_T	P1	S343A_T	0.929	0.415	0.994	4.28	8.56	6.93	6.92	4.28	0.59	0.35	2039	0.988	0.067	0.070	1.57	BCNP	BCNP
S343B_T	P2	S344_T	0.753	1.220	0.957	4.28	8.56	6.93	6.92	4.28	0.59	0.35	2039	0.916	0.179	0.170	4.19	BCNP	BCNP
S343B_T	P3	SITE_64	0.662	1.428	0.920	4.28	8.56	6.93	6.92	4.28	0.59	0.35	2039	0.846	0.233	0.210	5.44	BCNP	WCA3
S344_H	P1	3ASW	1.022	–0.390	0.980	4.71	10.17	8.19	8.45	5.46	0.97	0.94	1647	0.961	0.148	0.140	2.71	WCA3	WCA3
S344_H	P2	SITE_69W	0.955	0.498	0.954	4.71	10.17	8.19	8.45	5.46	0.97	0.94	1647	0.911	0.291	0.280	5.34	WCA3	WCA3
S344_H	P3	S344_T	1.169	–0.676	0.953	4.71	10.17	8.19	8.45	5.46	0.97	0.94	1647	0.907	0.296	0.280	5.42	WCA3	BCNP
S344_T	P1	S343A_T	1.156	–0.515	0.971	4.83	9.38	7.58	7.61	4.55	0.79	0.62	1664	0.942	0.191	0.190	4.19	BCNP	BCNP
S344_T	P2	3AS	0.937	–0.469	0.963	4.83	9.38	7.58	7.61	4.55	0.79	0.62	1664	0.927	0.219	0.210	4.81	BCNP	WCA3
S344_T	P3	S343B_T	1.217	–0.846	0.957	4.83	9.38	7.58	7.61	4.55	0.79	0.62	1664	0.916	0.228	0.220	5.01	BCNP	BCNP
S34_H	P1	S142_T	1.004	–0.115	0.999	5.36	9.77	7.97	8.14	4.41	0.95	0.91	2040	0.998	0.038	0.040	0.86	WCA2	WCA2
S34_H	P2	S143_T	0.987	0.116	0.998	5.36	9.77	7.97	8.14	4.41	0.95	0.91	2040	0.997	0.052	0.050	1.19	WCA2	WCA2
S34_H	P3	S141_T	0.965	0.357	0.966	5.36	9.77	7.97	8.14	4.41	0.95	0.91	2040	0.933	0.239	0.230	5.41	WCA2	WCA2
S39_H	P1	S10A_H	0.999	–0.000	0.998	11.92	15.97	14.51	14.70	4.05	0.84	0.70	1994	0.996	0.056	0.060	1.38	WCA1	WCA1
S39_H	P2	S10C_H	1.014	–0.250	0.999	11.92	15.97	14.51	14.70	4.05	0.84	0.70	1994	0.998	0.039	0.040	0.97	WCA1	WCA1
S39_H	P3	S10D_H	1.010	–0.218	0.998	11.92	15.97	14.51	14.70	4.05	0.84	0.70	1994	0.995	0.058	0.060	1.43	WCA1	WCA1
S7_T	P1	S145_H	1.162	–1.204	0.844	7.52	14.48	10.68	10.55	6.96	1.45	2.11	2040	0.712	0.780	0.660	11.21	WCA2	WCA2
S7_T	P2	S146_H	1.139	–0.967	0.841	7.52	14.48	10.68	10.55	6.96	1.45	2.11	2040	0.708	0.786	0.660	11.29	WCA2	WCA2
S7_T	P3	SITE_17	1.395	–4.083	0.841	7.52	14.48	10.68	10.55	6.96	1.45	2.11	2040	0.707	0.785	0.660	11.27	WCA2	WCA2
S9A_T	P1	S340_T	0.998	0.101	0.999	4.83	11.11	8.18	8.30	6.28	1.12	1.26	2040	0.997	0.058	0.060	0.92	WCA3	WCA3
S9A_T	P2	S151_H	1.077	–0.316	0.997	4.83	11.11	8.18	8.30	6.28	1.12	1.26	2040	0.994	0.083	0.080	1.31	WCA3	WCA3
S9A_T	P3	S142_H	0.940	0.434	0.996	4.83	11.11	8.18	8.30	6.28	1.12	1.26	2040	0.991	0.105	0.100	1.67	WCA3	WCA3
SITE_17	P1	WCA2U1	0.884	1.350	0.973	7.96	12.95	10.60	10.58	4.99	0.87	0.77	2032	0.946	0.173	0.170	3.47	WCA2	WCA2
SITE_17	P2	SITE_19	0.914	0.963	0.968	7.96	12.95	10.60	10.58	4.99	0.87	0.77	2032	0.936	0.220	0.210	4.41	WCA2	WCA2
SITE_17	P3	WCA2F4	1.141	–1.863	0.960	7.96	12.95	10.60	10.58	4.99	0.87	0.77	2032	0.921	0.218	0.210	4.37	WCA2	WCA2
SITE_19	P1	SITE_17	1.024	–0.316	0.968	8.46	13.03	10.52	10.56	4.57	0.93	0.86	2022	0.936	0.233	0.230	5.10	WCA2	WCA2
SITE_19	P2	WCA2U1	0.934	0.768	0.958	8.46	13.03	10.52	10.56	4.57	0.93	0.86	2022	0.919	0.227	0.220	4.97	WCA2	WCA2
SITE_19	P3	WCA2F4	1.221	–2.807	0.953	8.46	13.03	10.52	10.56	4.57	0.93	0.86	2022	0.908	0.253	0.240	5.53	WCA2	WCA2

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
SITE_62	P1	3AN1W1	1.091	–0.846	0.986	6.82	11.37	9.40	9.44	4.55	0.85	0.72	2008	0.972	0.118	0.120	2.59	WCA3	WCA3
SITE_62	P2	3A12	0.988	0.564	0.973	6.82	11.37	9.40	9.44	4.55	0.85	0.72	2008	0.947	0.166	0.160	3.64	WCA3	WCA3
SITE_62	P3	S340_H	0.945	0.988	0.972	6.82	11.37	9.40	9.44	4.55	0.85	0.72	2008	0.945	0.199	0.190	4.37	WCA3	WCA3
SITE_63	P1	S9A_T	0.876	1.251	0.970	5.57	11.16	8.44	8.44	5.59	1.00	1.00	1959	0.941	0.243	0.240	4.34	WCA3	WCA3
SITE_63	P2	S142_H	0.821	1.663	0.970	5.57	11.16	8.44	8.44	5.59	1.00	1.00	1959	0.940	0.242	0.230	4.32	WCA3	WCA3
SITE_63	P3	S340_T	0.873	1.342	0.969	5.57	11.16	8.44	8.44	5.59	1.00	1.00	1959	0.940	0.245	0.240	4.39	WCA3	WCA3
SITE_64	P1	W11	1.074	–0.439	0.986	5.81	10.50	8.32	8.31	4.69	0.83	0.68	2027	0.972	0.122	0.120	2.60	WCA3	WCA3
SITE_64	P2	EDEN_12	0.830	1.693	0.986	5.81	10.50	8.32	8.31	4.69	0.83	0.68	2027	0.971	0.132	0.130	2.82	WCA3	WCA3
SITE_64	P3	SITE_69W	0.856	1.444	0.981	5.81	10.50	8.32	8.31	4.69	0.83	0.68	2027	0.963	0.161	0.160	3.43	WCA3	WCA3
SITE_65	P1	EDEN_8	0.868	0.892	0.994	5.40	9.79	7.78	7.82	4.39	0.70	0.49	2016	0.989	0.070	0.070	1.60	WCA3	WCA3
SITE_65	P2	3AS3W1	1.025	–0.396	0.992	5.40	9.79	7.78	7.82	4.39	0.70	0.49	2016	0.984	0.090	0.090	2.04	WCA3	WCA3
SITE_65	P3	W2	1.108	–0.892	0.991	5.40	9.79	7.78	7.82	4.39	0.70	0.49	2016	0.983	0.086	0.090	1.96	WCA3	WCA3
SITE_69W	P1	S151_H	0.912	0.857	0.992	4.90	10.50	8.04	8.15	5.60	0.95	0.90	1993	0.984	0.121	0.120	2.16	WCA3	WCA3
SITE_69W	P2	EDEN_8	1.163	–1.211	0.990	4.90	10.50	8.04	8.15	5.60	0.95	0.90	1993	0.980	0.127	0.130	2.27	WCA3	WCA3
SITE_69W	P3	S340_T	0.833	1.294	0.987	4.90	10.50	8.04	8.15	5.60	0.95	0.90	1993	0.974	0.152	0.150	2.72	WCA3	WCA3
SITE_7	P1	SITE_9	0.917	1.360	0.969	12.74	15.95	14.90	14.99	3.20	0.51	0.26	2007	0.940	0.125	0.120	3.91	WCA1	WCA1
SITE_7	P2	SITE_8T	0.623	5.788	0.954	12.74	15.95	14.90	14.99	3.20	0.51	0.26	2007	0.910	0.152	0.140	4.73	WCA1	WCA1
SITE_7	P3	NORTH_CA1	0.955	0.592	0.941	12.74	15.95	14.90	14.99	3.20	0.51	0.26	2007	0.886	0.171	0.160	5.34	WCA1	WCA1
SITE_71	P1	TI-9	1.066	–0.203	0.986	3.21	7.20	6.07	6.14	3.99	0.58	0.34	1989	0.973	0.073	0.070	1.83	WCA3	WCA3
SITE_71	P2	SITE_69E	0.986	–0.701	0.986	3.21	7.20	6.07	6.14	3.99	0.58	0.34	1989	0.973	0.096	0.100	2.42	WCA3	WCA3
SITE_71	P3	SITE_76	1.019	–0.017	0.969	3.21	7.20	6.07	6.14	3.99	0.58	0.34	1989	0.939	0.144	0.140	3.62	WCA3	WCA3
SITE_76	P1	EDEN_7	0.843	0.980	0.978	3.45	7.11	5.96	5.94	3.66	0.55	0.30	1917	0.957	0.086	0.080	2.35	WCA3	WCA3
SITE_76	P2	SITE_71	0.922	0.377	0.969	3.45	7.11	5.96	5.94	3.66	0.55	0.30	1917	0.939	0.137	0.130	3.75	WCA3	WCA3
SITE_76	P3	SITE_69E	0.914	–0.303	0.961	3.45	7.11	5.96	5.94	3.66	0.55	0.30	1917	0.923	0.153	0.150	4.18	WCA3	WCA3
SITE_8C	P1	G338_T	0.999	–0.068	0.998	11.44	15.91	14.46	14.69	4.47	0.92	0.84	2033	0.996	0.062	0.060	1.38	WCA1	WCA1
SITE_8C	P2	S10D_H	1.006	–0.159	0.996	11.44	15.91	14.46	14.69	4.47	0.92	0.84	2033	0.993	0.074	0.070	1.65	WCA1	WCA1
SITE_8C	P3	S39_H	0.991	0.135	0.994	11.44	15.91	14.46	14.69	4.47	0.92	0.84	2033	0.989	0.089	0.090	2.00	WCA1	WCA1
SITE_8T	P1	SITE_8C	0.832	2.587	0.986	11.84	15.98	14.63	14.79	4.13	0.78	0.60	1998	0.973	0.128	0.130	3.09	WCA1	WCA1

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
SITE_8T	P2	G338_T	0.831	2.539	0.984	11.84	15.98	14.63	14.79	4.13	0.78	0.60	1998	0.968	0.138	0.140	3.35	WCA1	WCA1
SITE_8T	P3	S39_H	0.816	2.822	0.982	11.84	15.98	14.63	14.79	4.13	0.78	0.60	1998	0.963	0.134	0.130	3.24	WCA1	WCA1
SITE_9	P1	SITE_7	1.025	–0.504	0.969	12.93	15.93	14.78	14.81	3.00	0.54	0.29	1971	0.940	0.133	0.130	4.42	WCA1	WCA1
SITE_9	P2	SITE_8T	0.662	5.102	0.967	12.93	15.93	14.78	14.81	3.00	0.54	0.29	1971	0.936	0.136	0.130	4.53	WCA1	WCA1
SITE_9	P3	SOUTH_CA1	0.726	4.170	0.961	12.93	15.93	14.78	14.81	3.00	0.54	0.29	1971	0.923	0.151	0.150	5.04	WCA1	WCA1
SITE_99	P1	EDEN_13	1.380	–3.362	0.904	2.83	9.89	7.83	8.17	7.06	1.51	2.27	2035	0.818	0.509	0.460	7.21	WCA2	WCA2
SITE_99	P2	S141_H	1.220	–1.660	0.930	2.83	9.89	7.83	8.17	7.06	1.51	2.27	2035	0.866	0.482	0.450	6.83	WCA2	WCA2
SITE_99	P3	S344_H	1.389	–3.445	0.875	2.83	9.89	7.83	8.17	7.06	1.51	2.27	2035	0.766	0.746	0.650	10.57	WCA2	WCA3
SOUTH_CA1	P1	S39_H	0.788	3.221	0.980	12.66	15.96	14.62	14.76	3.30	0.71	0.51	2019	0.959	0.136	0.130	4.12	WCA1	WCA1
SOUTH_CA1	P2	S10D_H	0.789	3.146	0.979	12.66	15.96	14.62	14.76	3.30	0.71	0.51	2019	0.958	0.141	0.140	4.28	WCA1	WCA1
SOUTH_CA1	P3	SITE_8T	0.898	1.491	0.979	12.66	15.96	14.62	14.76	3.30	0.71	0.51	2019	0.958	0.146	0.140	4.42	WCA1	WCA1
SP	P1	SR1	1.150	0.263	0.963	–2.29	1.85	0.51	0.76	4.15	0.83	0.68	2040	0.927	0.162	0.160	3.90	ENP	ENP
SP	P2	CY3	0.943	0.079	0.959	–2.29	1.85	0.51	0.76	4.15	0.83	0.68	2040	0.921	0.233	0.220	5.61	ENP	ENP
SP	P3	DO2	0.758	–0.395	0.963	–2.29	1.85	0.51	0.76	4.15	0.83	0.68	2040	0.928	0.223	0.210	5.37	ENP	ENP
SPARO	P1	TMC	0.994	2.956	0.971	3.18	7.01	5.98	6.17	3.83	0.74	0.55	426	0.943	0.180	0.170	4.69	ENP	ENP
SPARO	P2	NP205	0.710	2.645	0.960	3.18	7.01	5.98	6.17	3.83	0.74	0.55	426	0.921	0.207	0.200	5.41	ENP	ENP
SPARO	P3	A13	0.824	3.275	0.971	3.18	7.01	5.98	6.17	3.83	0.74	0.55	426	0.942	0.176	0.170	4.60	ENP	ENP
SR1	P1	SP	0.807	–0.186	0.963	–0.82	1.45	0.37	0.38	2.27	0.50	0.25	1704	0.927	0.136	0.130	5.97	ENP	ENP
SR1	P2	P38	0.969	0.197	0.935	–0.82	1.45	0.37	0.38	2.27	0.50	0.25	1704	0.874	0.179	0.170	7.88	ENP	ENP
SR1	P3	NP62	0.734	–0.596	0.933	–0.82	1.45	0.37	0.38	2.27	0.50	0.25	1704	0.870	0.182	0.170	8.01	ENP	ENP
SRS1	P1	EDEN_10	1.206	–1.320	0.976	2.52	7.08	5.64	5.80	4.55	0.73	0.54	2040	0.953	0.137	0.130	3.01	WCA3	WCA3
SRS1	P2	3B-SE	0.613	2.742	0.965	2.52	7.08	5.64	5.80	4.55	0.73	0.54	2040	0.931	0.159	0.150	3.49	WCA3	WCA3
SRS1	P3	TI-9	1.437	–2.827	0.964	2.52	7.08	5.64	5.80	4.55	0.73	0.54	2040	0.929	0.162	0.160	3.57	WCA3	WCA3
Stillwater_Creek	P1	West_Highway_Creek	0.972	–0.073	0.995	–1.53	0.54	–0.65	–0.70	2.07	0.37	0.13	2035	0.990	0.036	0.040	1.76	ENP	ENP
Stillwater_Creek	P2	Upstream_Taylor_River	0.808	–0.393	0.911	–1.53	0.54	–0.65	–0.70	2.07	0.37	0.13	2035	0.830	0.152	0.140	7.31	ENP	ENP

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
Stillwater_Creek	P3	Taylor_River_at_mouth	0.863	–0.173	0.889	–1.53	0.54	–0.65	–0.70	2.07	0.37	0.13	2035	0.791	0.168	0.150	8.10	ENP	ENP
Tamiami_Canal_40-Mile_Bend_to_Monroe	P1	BCA11	0.820	3.685	0.917	2.30	7.73	6.14	6.52	5.43	1.11	1.23	2023	0.841	0.443	0.410	8.15	BCNP	BCNP
Tamiami_Canal_40-Mile_Bend_to_Monroe	P2	L28_GAP	0.781	–1.567	0.886	2.30	7.73	6.14	6.52	5.43	1.11	1.23	2023	0.786	0.365	0.320	6.72	BCNP	BCNP
Tamiami_Canal_40-Mile_Bend_to_Monroe	P3	BCA5	1.100	–3.150	0.884	2.30	7.73	6.14	6.52	5.43	1.11	1.23	2023	0.782	0.511	0.450	9.41	BCNP	BCNP
Tamiami_Canal_Monroe_to_Carnestown	P1	BCA8	1.237	0.943	0.984	–2.52	4.26	1.77	2.04	6.78	1.43	2.04	1981	0.968	0.220	0.220	3.25	BCNP	BCNP
Tamiami_Canal_Monroe_to_Carnestown	P2	BCA19	1.482	1.551	0.904	–2.52	4.26	1.77	2.04	6.78	1.43	2.04	1981	0.817	0.498	0.450	7.34	BCNP	BCNP
Tamiami_Canal_Monroe_to_Carnestown	P3	BCA11	1.035	–1.350	0.901	–2.52	4.26	1.77	2.04	6.78	1.43	2.04	1981	0.812	0.619	0.560	9.13	BCNP	BCNP
Upstream_Taylor_River	P1	Joe_Bay_2E	0.939	0.095	0.972	–1.37	0.87	–0.32	–0.35	2.24	0.42	0.17	2009	0.944	0.098	0.100	4.39	ENP	ENP
Upstream_Taylor_River	P2	McCormick_Creek_at_mouth	0.986	0.204	0.936	–1.37	0.87	–0.32	–0.35	2.24	0.42	0.17	2009	0.877	0.146	0.140	6.52	ENP	ENP
Upstream_Taylor_River	P3	Mud_Creek_at_mouth	0.964	0.210	0.912	–1.37	0.87	–0.32	–0.35	2.24	0.42	0.17	2009	0.831	0.169	0.150	7.57	ENP	ENP
Taylor_River_at_mouth	P1	Mud_Creek_at_mouth	0.958	–0.028	0.993	–1.65	0.88	–0.55	–0.57	2.53	0.38	0.14	2038	0.987	0.043	0.040	1.72	ENP	ENP

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
Taylor_River_at_mouth	P2	Trout_Creek_at_mouth	0.936	–0.029	0.978	–1.65	0.88	–0.55	–0.57	2.53	0.38	0.14	2038	0.957	0.078	0.080	3.09	ENP	ENP
Taylor_River_at_mouth	P3	McCormick_Creek_at_mouth	0.935	–0.060	0.974	–1.65	0.88	–0.55	–0.57	2.53	0.38	0.14	2038	0.949	0.086	0.080	3.40	ENP	ENP
TI-9	P1	SITE_71	0.912	0.349	0.986	4.74	6.98	5.95	5.99	2.24	0.41	0.17	1895	0.973	0.068	0.070	3.02	WCA3	WCA3
TI-9	P2	EDEN_10	0.795	1.308	0.975	4.74	6.98	5.95	5.99	2.24	0.41	0.17	1895	0.950	0.092	0.090	4.08	WCA3	WCA3
TI-9	P3	SITE_69E	0.902	–0.311	0.967	4.74	6.98	5.95	5.99	2.24	0.41	0.17	1895	0.934	0.105	0.100	4.68	WCA3	WCA3
TMC	P1	SPARO	0.948	–2.629	0.971	–1.65	4.01	2.67	2.95	5.66	1.09	1.19	1109	0.943	0.176	0.170	3.10	ENP	ENP
TMC	P2	P36	1.506	–1.380	0.916	–1.65	4.27	2.62	2.88	5.92	1.02	1.03	1955	0.839	0.408	0.370	6.88	ENP	ENP
TMC	P3	A13	0.814	0.312	0.914	–1.65	4.27	2.62	2.88	5.92	1.02	1.03	1955	0.836	0.412	0.380	6.96	ENP	ENP
Trout_Creek_at_mouth	P1	Mud_Creek_at_mouth	1.001	–0.013	0.993	–1.59	0.77	–0.56	–0.56	2.36	0.40	0.16	2040	0.986	0.046	0.050	1.94	ENP	ENP
Trout_Creek_at_mouth	P2	Taylor_River_at_mouth	1.023	0.005	0.978	–1.59	0.77	–0.56	–0.56	2.36	0.40	0.16	2040	0.957	0.082	0.080	3.45	ENP	ENP
Trout_Creek_at_mouth	P3	Joe_Bay_2E	0.884	–0.173	0.961	–1.59	0.77	–0.56	–0.56	2.36	0.40	0.16	2040	0.924	0.109	0.100	4.61	ENP	ENP
TSB	P1	E112	0.919	–0.482	0.988	–1.38	3.73	1.66	1.70	5.11	1.16	1.36	2040	0.976	0.181	0.180	3.53	ENP	ENP
TSB	P2	NTS1	0.905	–0.667	0.983	–1.38	3.73	1.66	1.70	5.11	1.16	1.36	2040	0.965	0.217	0.210	4.26	ENP	ENP
TSB	P3	S175_H	0.917	–0.649	0.980	–1.38	3.73	1.66	1.70	5.11	1.16	1.36	2040	0.960	0.234	0.230	4.58	ENP	ENP
TSH	P1	NP67	0.895	–0.123	0.997	–1.91	1.51	0.38	0.50	3.42	0.63	0.39	2040	0.993	0.051	0.050	1.50	ENP	ENP
TSH	P2	R127	0.867	–0.195	0.992	–1.91	1.51	0.38	0.50	3.42	0.63	0.39	2040	0.985	0.076	0.080	2.23	ENP	ENP
TSH	P3	G-1251	1.004	–0.044	0.986	–1.91	1.51	0.38	0.50	3.42	0.63	0.39	2040	0.972	0.104	0.100	3.05	ENP	ENP
W2	P1	SITE_65	0.887	0.927	0.991	6.51	9.59	7.87	7.90	3.08	0.59	0.35	2000	0.983	0.077	0.080	2.51	WCA3	WCA3
W2	P2	3AS3W1	0.900	0.655	0.982	6.51	9.59	7.87	7.90	3.08	0.59	0.35	2000	0.965	0.111	0.110	3.59	WCA3	WCA3
W2	P3	S333_H	0.749	2.073	0.982	6.51	9.59	7.87	7.90	3.08	0.59	0.35	2000	0.964	0.112	0.110	3.64	WCA3	WCA3
W11	P1	SITE_64	0.904	0.630	0.986	6.95	10.31	8.23	8.20	3.36	0.66	0.44	1920	0.972	0.112	0.110	3.33	WCA3	WCA3
W11	P2	3AS3W1	1.078	–0.458	0.983	6.95	10.31	8.23	8.20	3.36	0.66	0.44	1920	0.966	0.122	0.120	3.63	WCA3	WCA3
W11	P3	EDEN_8	0.939	0.684	0.982	6.95	10.31	8.23	8.20	3.36	0.66	0.44	1920	0.964	0.124	0.120	3.70	WCA3	WCA3

Appendix 2. EDEN water-level estimation equations and performance statistics sorted by station name.—Continued

[EDEN, Everglades Depth Estimation Network; ft, feet; n, number of data points; R^2, coefficient of determination; RMSE, root mean square error; –, no data; NW, northwest; BCNP, Big Cypress National Preserve; ENP, Everglades National Park; WCA, Water Conservation Area]

EDEN station name	Predictor number	EDEN predictor station name	Slope, m	y-intercept, b	Pearson correlation coefficient	Minimum observed, in ft	Maximum observed, in ft	Mean observed, in ft	Median observed, in ft	Range observed, in ft	Sample standard deviation	Sample variance	n	R^2	RMSE, in ft	Standard error	Percent model error	Area of station	Area of predictor
W18	P1	EDEN_14	0.984	–0.134	0.978	7.91	10.41	8.67	8.54	2.50	0.56	0.32	1582	0.957	0.112	0.110	4.46	WCA3	WCA3
W18	P2	3AS	0.911	0.637	0.968	7.91	10.41	8.67	8.54	2.50	0.56	0.32	1582	0.938	0.145	0.140	5.81	WCA3	WCA3
W18	P3	W11	0.937	0.782	0.965	7.91	10.41	8.67	8.54	2.50	0.56	0.32	1582	0.930	0.147	0.140	5.89	WCA3	WCA3
WC2AN1	P1	G339_T	0.892	1.139	0.984	9.29	14.13	12.01	12.13	4.84	1.08	1.16	858	0.968	0.194	0.190	4.01	WCA2	WCA2
WC2AN1	P2	WC2AS1	1.649	–7.074	0.904	9.29	14.13	12.01	12.13	4.84	1.08	1.16	858	0.817	0.458	0.410	9.45	WCA2	WCA2
WC2AN1	P3	EDEN_11	1.877	–9.349	0.821	9.29	14.13	12.01	12.13	4.84	1.08	1.16	858	0.674	0.561	0.460	11.59	WCA2	WCA2
WC2AS1	P1	EDEN_11	1.213	–2.253	0.977	10.31	12.91	11.56	11.53	2.60	0.59	0.34	850	0.955	0.113	0.110	4.34	WCA2	WCA2
WC2AS1	P2	WC2AN1	0.495	5.621	0.904	10.31	12.91	11.56	11.53	2.60	0.59	0.34	850	0.817	0.251	0.230	9.67	WCA2	WCA2
WC2AS1	P3	G339_T	0.435	6.271	0.870	10.31	12.91	11.56	11.53	2.60	0.59	0.34	850	0.757	0.289	0.250	11.14	WCA2	WCA2
WCA2E4	P1	WCA2F4	0.994	0.065	0.992	10.27	13.29	11.10	11.04	3.02	0.63	0.40	1573	0.985	0.076	0.080	2.52	WCA2	WCA2
WCA2E4	P2	SITE_19	0.679	3.808	0.916	10.27	13.29	11.10	11.04	3.02	0.63	0.40	1573	0.839	0.251	0.230	8.31	WCA2	WCA2
WCA2E4	P3	SITE_17	0.738	3.135	0.914	10.27	13.29	11.10	11.04	3.02	0.63	0.40	1573	0.836	0.254	0.230	8.42	WCA2	WCA2
WCA2F1	P1	WCA2F4	0.837	2.212	0.911	9.92	13.97	11.38	11.30	4.05	0.66	0.44	1902	0.830	0.241	0.220	5.96	WCA2	WCA2
WCA2F1	P2	WCA2E4	0.872	1.817	0.888	9.92	13.97	11.38	11.30	4.05	0.66	0.44	1902	0.789	0.279	0.250	6.89	WCA2	WCA2
WCA2F1	P3	EDEN_11	1.018	–0.198	0.877	9.92	13.97	11.38	11.30	4.05	0.66	0.44	1902	0.769	0.306	0.270	7.55	WCA2	WCA2
WCA2F4	P1	WCA2E4	0.991	0.103	0.992	10.07	13.30	11.10	11.04	3.23	0.65	0.43	1670	0.985	0.076	0.080	2.35	WCA2	WCA2
WCA2F4	P2	SITE_17	0.807	2.380	0.960	10.07	13.30	11.10	11.04	3.23	0.65	0.43	1670	0.921	0.183	0.180	5.68	WCA2	WCA2
WCA2F4	P3	SITE_19	0.743	3.112	0.953	10.07	13.30	11.10	11.04	3.23	0.65	0.43	1670	0.908	0.197	0.190	6.10	WCA2	WCA2
WCA2U1	P1	SITE_17	1.070	–0.871	0.973	9.32	12.93	10.64	10.57	3.61	0.82	0.67	1728	0.946	0.191	0.190	5.28	WCA2	WCA2
WCA2U1	P2	S146_H	0.826	2.046	0.977	9.32	12.93	10.64	10.57	3.61	0.82	0.67	1728	0.954	0.176	0.170	4.87	WCA2	WCA2
WCA2U1	P3	S145_H	0.838	1.929	0.974	9.32	12.93	10.64	10.57	3.61	0.82	0.67	1728	0.949	0.186	0.180	5.14	WCA2	WCA2
West_Highway_Creek	P1	Stillwater_Creek	1.019	0.069	0.995	–1.48	0.76	–0.59	–0.65	2.23	0.38	0.14	2037	0.990	0.037	0.040	1.67	ENP	ENP
West_Highway_Creek	P2	Upstream_Taylor_River	0.824	–0.331	0.908	–1.48	0.76	–0.59	–0.65	2.23	0.38	0.14	2037	0.825	0.158	0.140	7.07	ENP	ENP
West_Highway_Creek	P3	Taylor_River_at_mouth	0.895	–0.098	0.899	–1.48	0.76	–0.59	–0.65	2.23	0.38	0.14	2037	0.808	0.165	0.150	7.40	ENP	ENP

For additional information regarding this publication, contact:

Director
USGS South Carolina Water Science Center
Stephenson Center, Suite 129
720 Gracern Road
Columbia, SC 29210-7651
(803) 750-6100
email: dc_sc@usgs.gov

Or visit the USGS South Carolina Water Science Center Web site at:
http://sc.water.usgs.gov

Prepared by:
USGS Science Publishing Network
Raleigh Publishing Service Center
3916 Sunset Ridge Road
Raleigh, NC 27607