BOARD OF WATER AND SOIL RESOURCES

PTMApp-Desktop Attribute Catalog

Revised March 2021

Attribute tables are ordered in this document in the approximate order they are used and/or created following a typical workflow in PTMApp-Desktop.

Table 1 Attribute table for bound_1w1p

bound_1w1p			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Ingest Data > Clip Watershed
SHAPE	Geometry	Feature geometry	Ingest Data > Clip Watershed
SHAPE_Length	Double	Length of feature in internal units	Ingest Data > Clip Watershed
SHAPE_Area	Double	Area of feature in internal units squared	Ingest Data > Clip Watershed

Table 2 Attribute table for p_res_pts

p_res_pts			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Ingest Data > Clip Watershed
SHAPE	Geometry	Feature geometry	Ingest Data > Clip Watershed

p_res_pts			
Field Name	**Data Type**	**Description**	**Processed in**
Source	Text	Source of point (e.g., stream/lake outlet, monitoring location)	Ingest Data > Clip Watershed
Name	Text	Name of priority resource	Ingest Data > Clip Watershed
p_res_catch_ID	Long Integer	Unique whole number ID for priority resource catchment	Ingest Data > Clip Watershed
lake_count	Long Integer	OPTIONAL (Required if lakes routing tool will be run): User defined, unique value used for associating lakes_route features with lake outlet priority resource catchment and priority resource point, if applicable.	Required input created by user if running lakes route

Additional fields may be present, depending on user inputs

Table 3 Attribute table for catchment

catchment			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Catchments and Loading > Generate Catchments
SHAPE	Geometry	Feature geometry	Catchments and Loading > Generate Catchments

catchment			
Field Name	**Data Type**	**Description**	**Processed in**
catch_ID	Long Integer	Unique whole number ID for catchment	Catchments and Loading > Generate Catchments
SHAPE_Length	Double	Length of feature in internal units	Catchments and Loading > Generate Catchments
SHAPE_Area	Double	Area of feature in internal units squared	Catchments and Loading > Generate Catchments

Table 4 Attribute table for adj_catchment

adj_catchment			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Catchments and Loading > Generate Catchments
SHAPE	Geometry	Feature geometry	Catchments and Loading > Generate Catchments
SHAPE_Length	Double	Length of feature in internal units	Catchments and Loading > Generate Catchments
SHAPE_Area	Double	Area of feature in internal units squared	Catchments and Loading > Generate Catchments
catch_ID	Long Integer	Unique whole number ID for adjoint catchment	Catchments and Loading > Generate Catchments

Table 5 Attribute table for p_res_catchment

p_res_catchment			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Catchments and Loading > Generate Catchments
SHAPE	Geometry	Feature geometry	Catchments and Loading > Generate Catchments
p_res_catch_ID	Long Integer	Unique whole number ID for priority resource catchment	Catchments and Loading > Generate Catchments
SHAPE_Length	Double	Length of feature in internal units	Catchments and Loading > Generate Catchments
SHAPE_Area	Double	Area of feature in internal units squared	Catchments and Loading > Generate Catchments

Table 6 Attribute table for table_catchment

table_catchment			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Catchments and Loading > Summarize Catchment Loadings

table_catchment			
Field Name	**Data Type**	**Description**	**Processed in**
catch_ID	Long Integer	Unique whole number ID for catchment	Catchments and Loading > Summarize Catchment Loadings
area_sq_meters	Double	Catchment area in square meters	Catchments and Loading > Summarize Catchment Loadings
no_of_cells	Double	Number of raster cells within the catchment	Catchments and Loading > Summarize Catchment Loadings
acres	Double	Catchment area in acres	Catchments and Loading > Summarize Catchment Loadings
wshed_min_tt	Double	Minimum travel time from the catchment to the watershed outlet in hours	Catchments and Loading > Summarize Catchment Loadings
sed_mass	Double	Annual mobilized sediment load within the catchment (cell-tons/yr)	Catchments and Loading > Summarize Catchment Loadings
sed_mass_tons	Double	Annual mobilized sediment load within the catchment (tons/yr)	Catchments and Loading > Summarize Catchment Loadings
sed_mass_tons_acres	Double	Annual mobilized sediment yield from the landscape within the catchment (tons/acre/yr)	Catchments and Loading > Summarize Catchment Loadings
sed_mass_fl	Double	Annual sediment load leaving the landscape within the catchment and delivered to the catchment outlet (cell-tons/yr)	Catchments and Loading > Summarize Catchment Loadings

table_catchment			
Field Name	**Data Type**	**Description**	**Processed in**
sed_mass_fl_tons	Double	Annual sediment load leaving the landscape within the catchment and delivered to the catchment outlet (tons/yr)	Catchments and Loading > Summarize Catchment Loadings
sed_mass_fl_tons_acre	Double	Annual sediment yield from the landscape within the catchment delivered to the catchment outlet (tons/acre/yr)	Catchments and Loading > Summarize Catchment Loadings
tn_mass	Double	Annual mobilized total nitrogen load within the catchment (cell-lbs/yr)	Catchments and Loading > Summarize Catchment Loadings
tn_mass_lbs	Double	Annual mobilized total nitrogen load within the catchment (lbs/yr)	Catchments and Loading > Summarize Catchment Loadings
tn_mass_lbs_acre	Double	Annual mobilized total nitrogen yield from the landscape within the catchment (lbs/acre/yr)	Catchments and Loading > Summarize Catchment Loadings
tn_mass_fl	Double	Annual total nitrogen load leaving the landscape within the catchment and delivered to the catchment outlet (cell-lbs/yr)	Catchments and Loading > Summarize Catchment Loadings
tn_mass_fl_lbs	Double	Annual total nitrogen load leaving the landscape within the catchment and delivered to the catchment outlet (lbs/yr)	Catchments and Loading > Summarize Catchment Loadings
tn_mass_fl_lbs_acre	Double	Annual total nitrogen yield from the landscape within the catchment delivered to the catchment outlet (lbs/acre/yr)	Catchments and Loading > Summarize Catchment Loadings
tp_mass	Double	Annual mobilized total phosphorus load within the catchment (cell-lbs/yr)	Catchments and Loading > Summarize Catchment Loadings

table_catchment			
Field Name	**Data Type**	**Description**	**Processed in**
tp_mass_lbs	Double	Annual mobilized total phosphorus load within the catchment (lbs/yr)	Catchments and Loading > Summarize Catchment Loadings
tp_mass_lbs_acre	Double	Annual mobilized total phosphorus yield from the landscape within the catchment (lbs/acre/yr)	Catchments and Loading > Summarize Catchment Loadings
tp_mass_fl	Double	Annual total phosphorus load leaving the landscape within the catchment and delivered to the catchment outlet (cell-lbs/yr)	Catchments and Loading > Summarize Catchment Loadings
tp_mass_fl_lbs	Double	Annual total phosphorus load leaving the landscape within the catchment and delivered to the catchment outlet (lbs/yr)	Catchments and Loading > Summarize Catchment Loadings
tp_mass_fl_lbs_acre	Double	Annual total phosphorus yield from the landscape within the catchment delivered to the catchment outlet (lbs/acre/yr)	Catchments and Loading > Summarize Catchment Loadings
depth_2yr	Double	Mean runoff depth across catchment in inches for 2-year 24-hr rainfall event	Catchments and Loading > Summarize Catchment Loadings
depth_10yr	Double	Mean runoff depth across catchment in inches for 10-year 24-hr rainfall event	Catchments and Loading > Summarize Catchment Loadings
RO_vol_2yr	Double	Catchment runoff volume in cubic feet for 2-year 24-hr rainfall event	Catchments and Loading > Summarize Catchment Loadings
RO_vol_10yr	Double	Catchment runoff volume in cubic feet for 10-year 24-hr rainfall event	Catchments and Loading > Summarize Catchment Loadings

table_catchment			
Field Name	**Data Type**	**Description**	**Processed in**
PeakQ_2yr	Double	Catchment peak discharge in cubic feet per second for 2-year 24-hr rainfall event	Catchments and Loading > Summarize Catchment Loadings
PeakQ_10yr	Double	Catchment peak discharge in cubic feet per second for 10-year 24-hr rainfall event	Catchments and Loading > Summarize Catchment Loadings

Table 7 Attribute table for table_adj_catchment

table_adj_catchment			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Catchments and Loading > Sediment, TP and TN Channel Routing
adj_catch_id	Long Integer	Unique whole number ID for adjoint catchment	Catchments and Loading > Sediment, TP and TN Channel Routing
area	Double	Adjoint catchment area in square meters	Catchments and Loading > Sediment, TP and TN Channel Routing
cell_count	Long Integer	Number of raster cells within the adjoint catchment	Catchments and Loading > Sediment, TP and TN Channel Routing

table_adj_catchment			
Field Name	**Data Type**	**Description**	**Processed in**
Acres	Double	Adjoint catchment area in acres	Catchments and Loading > Sediment, TP and TN Channel Routing
wshed_min_tt	Double	Minimum travel time from the adjoint catchment to the watershed outlet in hours	Catchments and Loading > Sediment, TP and TN Channel Routing
sediment_sum	Double	Sum of sediment delivered to adjoint catchment outlet in tons/yr	Catchments and Loading > Sediment, TP and TN Channel Routing
tn_sum	Double	Sum of total nitrogen delivered to adjoint catchment outlet in lbs/yr	Catchments and Loading > Sediment, TP and TN Channel Routing
tp_sum	Double	Sum of total phosphorus delivered to adjoint catchment outlet in lbs/yr	Catchments and Loading > Sediment, TP and TN Channel Routing

Table 8 Attribute table for table_p_res_catchment

table_p_res_catchment			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Catchments and Loading > Sediment, TP and TN Channel Routing

table_p_res_catchment			
Field Name	**Data Type**	**Description**	**Processed in**
p_res_catch_ID	Long Integer	Unique whole number ID for priority resource catchment	Catchments and Loading > Sediment, TP and TN Channel Routing
area	Double	Priority resource catchment area in square meters	Catchments and Loading > Sediment, TP and TN Channel Routing
cell_count	Double	Number of raster cells within the priority resource catchment	Catchments and Loading > Sediment, TP and TN Channel Routing
Acres	Double	Priority resource catchment area in acres	Catchments and Loading > Sediment, TP and TN Channel Routing
wshed_min_tt	Double	Minimum travel time from the priority resource catchment to the watershed outlet in hours	Catchments and Loading > Sediment, TP and TN Channel Routing
sediment_sum	Double	Sum of sediment delivered to priority resource catchment outlet in tons/yr; includes impact of lake routing if applied	Catchments and Loading > Sediment, TP and TN Channel Routing
tn_sum	Double	Sum of total nitrogen delivered to priority resource catchment outlet in lbs/yr; includes impact of lake routing if applied	Catchments and Loading > Sediment, TP and TN Channel Routing
tp_sum	Double	Sum of total phosphorus delivered to priority resource catchment outlet in lbs/yr; includes impact of lake routing if applied	Catchments and Loading > Sediment, TP and TN Channel Routing

table_p_res_catchment			
Field Name	**Data Type**	**Description**	**Processed in**
bl_sediment_sum	Double	OPTIONAL: Only generated when lake routing is applied; Sum of sediment delivered to priority resource catchment outlet in tons/yr before lake routing was applied	Catchments and Loading > Sediment, TP and TN Channel Routing
bl_tp_sum	Double	OPTIONAL: Only generated when lake routing is applied; Sum of total phosphorus delivered to priority resource catchment outlet in lbs/yr before lake routing was applied	Catchments and Loading > Sediment, TP and TN Channel Routing
bl_tn_sum	Double	OPTIONAL: Only generated when lake routing is applied; Sum of total nitrogen delivered to priority resource catchment outlet in lbs/yr before lake routing was applied	Catchments and Loading > Sediment, TP and TN Channel Routing
lake_count	Long Integer	OPTIONAL: Only generated when lake routing is applied; value used for associating lakes_route features with lake outlet priority resource catchment and priority resource point, if applicable.	Catchments and Loading > Sediment, TP and TN Channel Routing

Table 9 Attribute table for table_adj_catchment_route

table_adj_catchment_route			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Catchments and Loading > Sediment, TP and TN Channel Routing

table_adj_catchment_route			
Field Name	**Data Type**	**Description**	**Processed in**
adj_catch_ID	Long Integer	Unique whole number ID for adjoint catchment	Catchments and Loading > Sediment, TP and TN Channel Routing
catch_ID	Long Integer	Unique whole number ID for catchment	Catchments and Loading > Sediment, TP and TN Channel Routing
c_acres	Double	Catchment area in acres	Catchments and Loading > Sediment, TP and TN Channel Routing
pr_min_tt	Double	Minimum travel time from the adjoint catchment to the watershed outlet in hours	Catchments and Loading > Sediment, TP and TN Channel Routing
c_min_tt	Double	Minimum travel time from the catchment to the watershed outlet in hours	Catchments and Loading > Sediment, TP and TN Channel Routing
delta_tt	Double	Channel travel time between the catchment outlet and the priority resource catchment outlet in hours	Catchments and Loading > Sediment, TP and TN Channel Routing
c_sed_mass_tons	Double	Annual sediment load across catchment in tons/year	Catchments and Loading > Sediment, TP and TN Channel Routing
c_tn_mass_lbs	Double	Annual total nitrogen load across catchment in lbs/year	Catchments and Loading > Sediment, TP and TN Channel Routing
c_tp_mass_lbs	Double	Annual total phosphorus load across catchment in lbs/year	Catchments and Loading > Sediment, TP and TN Channel Routing

table_adj_catchment_route			
Field Name	**Data Type**	**Description**	**Processed in**
c_sed_mass_fl_tons	Double	Annual sediment load across catchment delivered to the catchment outlet in tons/year	Catchments and Loading > Sediment, TP and TN Channel Routing
c_tn_mass_fl_lbs	Double	Annual total nitrogen load across catchment delivered to the catchment outlet in lbs/year	Catchments and Loading > Sediment, TP and TN Channel Routing
c_tp_mass_fl_lbs	Double	Annual total phosphorus load across catchment delivered to the catchment outlet in lbs/year	Catchments and Loading > Sediment, TP and TN Channel Routing
ac_sed_delivery_ratio	Double	Ratio of sediment delivered from catchment outlet to sediment delivered to adjoint catchment outlet	Catchments and Loading > Sediment, TP and TN Channel Routing
ac_sed_mass_tons	Double	Sediment mass in tons delivered from catchment outlet to adjoint catchment outlet	Catchments and Loading > Sediment, TP and TN Channel Routing
ac_sed_mass_tons_acre	Double	Sediment yield in tons/acre delivered from catchment outlet to adjoint catchment outlet	Catchments and Loading > Sediment, TP and TN Channel Routing
ac_tn_delivery_ratio	Double	Ratio of total nitrogen delivered from catchment outlet to total nitrogen delivered to adjoint catchment outlet	Catchments and Loading > Sediment, TP and TN Channel Routing
ac_tn_mass_lbs	Double	Total nitrogen mass in lbs delivered from catchment outlet to adjoint catchment outlet	Catchments and Loading > Sediment, TP and TN Channel Routing
ac_tn_mass_lbs_acre	Double	Total nitrogen yield in lbs/acre delivered from catchment outlet to adjoint catchment outlet	Catchments and Loading > Sediment, TP and TN Channel Routing

table_adj_catchment_route			
Field Name	**Data Type**	**Description**	**Processed in**
ac_tp_delivery_ratio	Double	Ratio of total phosphorus delivered from catchment outlet to total phosphorus delivered to adjoint catchment outlet	Catchments and Loading > Sediment, TP and TN Channel Routing
ac_tp_mass_lbs	Double	Total phosphorus mass in lbs delivered from catchment outlet to adjoint catchment outlet	Catchments and Loading > Sediment, TP and TN Channel Routing
ac_tp_mass_lbs_acre	Double	Total phosphorus yield in lbs/acre delivered from catchment outlet to adjoint catchment outlet	Catchments and Loading > Sediment, TP and TN Channel Routing

Table 10 Attribute table for table_p_res_catchment_route

table_p_res_catchment_route			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
p_res_catch_ID	Long Integer	Unique whole number ID for priority resource catchment	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
catch_ID	Long Integer	Unique whole number ID for catchment	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing

table_p_res_catchment_route			
Field Name	**Data Type**	**Description**	**Processed in**
c_acres	Double	Catchment area in acres	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
pr_min_tt	Double	Minimum travel time from the priority resource catchment to the watershed outlet in hours	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
c_min_tt	Double	Minimum travel time from the catchment to the watershed outlet in hours	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
delta_tt	Double	Channel travel time between the catchment outlet and the priority resource catchment outlet in hours	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
c_sed_mass_tons	Double	Annual mobilized sediment load within the catchment (tons/yr)	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
c_tn_mass_lbs	Double	Annual mobilized total nitrogen load within the catchment (lbs/yr)	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
c_tp_mass_lbs	Double	Annual mobilized total phosphorus load within the catchment (lbs/yr)	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
c_sed_mass_fl_tons	Double	Annual sediment load leaving the landscape within the catchment and delivered to the catchment outlet (tons/yr)	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
c_tn_mass_fl_lbs	Double	Annual total nitrogen load leaving the landscape within the catchment and delivered to the catchment outlet (lbs/yr)	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing

table_p_res_catchment_route			
Field Name	**Data Type**	**Description**	**Processed in**
c_tp_mass_fl_lbs	Double	Annual total phosphorus load leaving the landscape within the catchment and delivered to the catchment outlet (lbs/yr)	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
pr_sed_delivery_ratio	Double	Ratio of sediment mass delivered to the catchment outlet to sediment mass delivered to the priority resource catchment outlet	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
pr_sed_mass_tons	Double	Sediment mass in tons/yr delivered from catchment outlet to priority resource catchment outlet	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
pr_sed_mass_tons_acre	Double	Sediment yield in tons/acre/yr delivered from catchment outlet to priority resource catchment outlet	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
pr_tn_delivery_ratio	Double	Ratio of total nitrogen mass delivered to the catchment outlet to total nitrogen mass delivered to the priority resource catchment outlet	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
pr_tn_mass_lbs	Double	Total nitrogen mass in lbs/yr delivered from catchment outlet to priority resource catchment outlet	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
pr_tn_mass_lbs_acre	Double	Total nitrogen yield in lbs/acre/yr delivered from catchment outlet to priority resource catchment outlet	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
pr_tp_delivery_ratio	Double	Ratio of total phosphorus mass delivered to the catchment outlet to total phosphorus mass delivered to the priority resource catchment outlet	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing

table_p_res_catchment_route			
Field Name	**Data Type**	**Description**	**Processed in**
pr_tp_mass_lbs	Double	Total phosphorus mass in lbs/yr delivered from catchment outlet to priority resource catchment outlet	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
pr_tp_mass_lbs_acre	Double	Total phosphorus yield in lbs/acre/yr delivered from catchment outlet to priority resource catchment outlet	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
L_Sed_A	Double	OPTIONAL: Only generated when lake routing is applied; Fraction of sediment load reaching the catchment outlet after lake routing is applied	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
L_TP_A	Double	OPTIONAL: Only generated when lake routing is applied; Fraction of TP load reaching the catchment outlet after lake routing is applied	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
L_TN_A	Double	OPTIONAL: Only generated when lake routing is applied; Fraction of TN load reaching the catchment outlet after lake routing is applied	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
bl_c_sed_mass_fl_tons	Double	OPTIONAL: Only generated when lake routing is applied; Sediment load leaving the landscape within the catchment and delivered to the catchment outlet in tons/yr before lake routing was applied	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
bl_c_tn_mass_fl_lbs	Double	OPTIONAL: Only generated when lake routing is applied; Total nitrogen load leaving the landscape within the catchment and delivered to the catchment outlet in lbs/yr before lake routing was applied	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing

table_p_res_catchment_route			
Field Name	**Data Type**	**Description**	**Processed in**
bl_c_tp_mass_fl_lbs	Double	OPTIONAL: Only generated when lake routing is applied; Total phosphorus load leaving the landscape within the catchment and delivered to the catchment outlet in lbs/yr before lake routing was applied	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
bl_pr_sed_mass_tons	Double	OPTIONAL: Only generated when lake routing is applied; Sediment mass in tons/yr delivered from catchment outlet to priority resource catchment outlet before lake routing is applied	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
bl_pr_sed_mass_tons_acre	Double	OPTIONAL: Only generated when lake routing is applied; Sediment yield in tons/acre/yr delivered from catchment outlet to priority resource catchment outlet before lake routing is applied	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
bl_pr_tn_mass_lbs	Double	OPTIONAL: Only generated when lake routing is applied; Total nitrogen mass in lbs/yr delivered from catchment outlet to priority resource catchment outlet before lake routing is applied	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
bl_pr_tn_mass_lbs_acre	Double	OPTIONAL: Only generated when lake routing is applied; Total nitrogen yield in lbs/acre/yr delivered from catchment outlet to priority resource catchment outlet before lake routing is applied	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
bl_pr_tp_mass_lbs	Double	OPTIONAL: Only generated when lake routing is applied; Total phosphorus mass in lbs/yr delivered from catchment outlet to priority resource catchment outlet before lake routing is applied	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing

table_p_res_catchment_route			
Field Name	**Data Type**	**Description**	**Processed in**
bl_pr_tp_mass_lbs_acre	Double	OPTIONAL: Only generated when lake routing is applied; Total phosphorus yield in lbs/acre/yr delivered from catchment outlet to priority resource catchment outlet before lake routing is applied	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
sed_reduction_l	Double	OPTIONAL: Only generated when lake routing is applied; BMP sediment percent reduction from the catchment measured at the priority resource outlet after lake routing is applied	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
tp_reduction_l	Double	OPTIONAL: Only generated when lake routing is applied; BMP TP percent reduction from the catchment measured at the priority resource outlet after lake routing is applied	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing
tn_reduction_l	Double	OPTIONAL: Only generated when lake routing is applied; BMP TN percent reduction from the catchment measured at the priority resource outlet after lake routing is applied	Catchments and Loading > Sediment, TP and TN Channel Routing & Lake Routing

Table 11 Attribute table for lakes_route

lakes_route			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	From DNR Autocatchment Lakes Shapefile
Shape	Geometry	GIS feature shape	From DNR Autocatchment Lakes Shapefile
Lake_ID	Long Integer	Lake ID number	From DNR Autocatchment Lakes Shapefile
Area_ac	Float	Lake polygon surface area (acres)	Required Input Created by User
Vol_acft	Float	Lake volume (acre-ft)	Catchments and Loading > Build Lake Routing Data
Depth_ft	Float	Mean lake depth (ft)	Catchments and Loading > Build Lake Routing Data
DA_ac	Float	Drainage area to lake (acres)	Catchments and Loading > Build Lake Routing Data
Runoff_ft_yr	Float	Annual runoff depth delivered to the lake (ft/yr)	Catchments and Loading > Build Lake Routing Data
HRT_yrs	Float	Lake hydraulic residence time (yrs)	Catchments and Loading > Build Lake Routing Data
SQ2_10	Float	Reduction in sediment delivered to lake (fraction from 0 - 1)	Catchments and Loading > Build Lake Routing Data

lakes_route			
Field Name	**Data Type**	**Description**	**Processed in**
PQ2_10	Float	Reduction in total phosphorus delivered to lake (fraction from 0 - 1)	Catchments and Loading > Build Lake Routing Data
NQ2_10	Float	Reduction in total nitrogen delivered to lake (fraction from 0 - 1)	Catchments and Loading > Build Lake Routing Data
L_SQ2_10	Double	Sediment load delivered to the lake (tons/yr)	Catchments and Loading > Build Lake Routing Data
L_PQ2_10	Double	Total phosphorus load delivered to the lake (lbs/yr)	Catchments and Loading > Build Lake Routing Data
L_NQ2_10	Double	Total nitrogen load delivered to the lake (lbs/yr)	Catchments and Loading > Build Lake Routing Data
lout_sed	Double	Sediment load leaving the lake (tons/yr)	Catchments and Loading > Build Lake Routing Data
lout_tp	Double	Total phosphorus load leaving the lake (lbs/yr)	Catchments and Loading > Build Lake Routing Data
lout_tn	Double	Total nitrogen load leaving the lake (lbs/yr)	Catchments and Loading > Build Lake Routing Data
lret_sed	Double	Sediment load retained or reduced within the lake as measured at lake outlet (tons/year)	Catchments and Loading > Build Lake Routing Data

lakes_route			
Field Name	**Data Type**	**Description**	**Processed in**
Lret_tp	Double	Total phosphorus load retained or reduced within the lake as measured at the lake outlet (lbs/year)	Catchments and Loading > Build Lake Routing Data
lret_tn	Double	Total nitrogen load retained or reduced within the lake as measured at the lake outlet (lbs/year)	Catchments and Loading > Build Lake Routing Data
lake_count	Long Integer	User defined unique value (arbitrary, suggest as priority resource point number) used for associating lakes_route features with lake outlet priority resource point, if applicable.	Required input created by user
Shape_Length	Double	Length of feature in internal units	Catchments and Loading > Build Lake Routing Data
Shape_Area	Double	Area of feature in internal units squared	Catchments and Loading > Build Lake Routing Data

Additional fields may be present, originating from the DNR Autocatchment Lakes shapefile that the "lakes_route" feature class is built from

Table 12 Attribute table for scaledload_point

scaledload_point			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Catchments and Loading > Scaled Loads
SHAPE	Geometry	Feature geometry	Catchments and Loading > Scaled Loads
scaledload_point_ID	Long Integer	Unique whole number ID for load scaling point, determined by user	Catchments and Loading > Scaled Loads
Name	Text	Name of load scaling point	Catchments and Loading > Scaled Loads
Sed_gauge	Double	Total annual sediment load at water quality gauge in tons/year	Catchments and Loading > Scaled Loads
tp_gauge	Double	Total annual TP load at water quality gauge in lbs/year	Catchments and Loading > Scaled Loads
tn_gauge	Double	Total annual TN load at water quality gauge in lbs/year	Catchments and Loading > Scaled Loads

Table 13 Attribute table for table_scaled_load

table_scaled_load			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Catchments and Loading > Scaled Loads
catch_ID	Long Integer	Unique whole number ID for catchment	Catchments and Loading > Scaled Loads
sed_sload_fl	Double	Scaling load for sediment in tons/yr	Catchments and Loading > Scaled Loads
tp_sload_fl	Double	Scaling load for total phosphorus in lbs/yr	Catchments and Loading > Scaled Loads
tn_sload_fl	Double	Scaling load for total nitrogen in lbs/yr	Catchments and Loading > Scaled Loads
sed_scale_ratio	Double	Scaled ratio for sediment delivered to catchment/flowline	Catchments and Loading > Scaled Loads
tp_scale_ratio	Double	Scaled ratio for TP delivered to catchment/flowline	Catchments and Loading > Scaled Loads
tn_scale_ratio	Double	Scaled ratio for TN deliver to catchment/flowline	Catchments and Loading > Scaled Loads

Table 14 Attribute table for table_r_catchment

table_r_catchment			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Ranking > Delivered to the Catchment Outlet
catch_ID	Long Integer	Unique whole number ID for catchment	Ranking > Delivered to the Catchment Outlet
sed_mass_Rank	Double	Rank of annual mobilized sediment yield within the catchment, relative to all catchments	Ranking > Delivered to the Catchment Outlet
tn_mass_Rank	Double	Rank of annual mobilized total nitrogen yield within the catchment, relative to all catchments	Ranking > Delivered to the Catchment Outlet
tp_mass_Rank	Double	Rank of annual mobilized total phosphorus yield within the catchment, relative to all catchments	Ranking > Delivered to the Catchment Outlet
sed_mass_fl_Rank	Double	Rank of annual sediment yield delivered to the catchment outlet, relative to all catchments	Ranking > Delivered to the Catchment Outlet
tn_mass_fl_Rank	Double	Rank of annual total nitrogen yield delivered to the catchment outlet, relative to all catchments	Ranking > Delivered to the Catchment Outlet
tp_mass_fl_Rank	Double	Rank of annual total phosphorus yield delivered to the catchment outlet, relative to all catchments	Ranking > Delivered to the Catchment Outlet

table_r_catchment			
Field Name	**Data Type**	**Description**	**Processed in**
wqi_mass	Double	Rank of Water Quality Index based on sediment, total nitrogen, and total phosphorus yield across the catchment relative to all catchments	Ranking > Delivered to the Catchment Outlet
wqi_mass_fl	Double	Rank of Water Quality Index based on sediment, total nitrogen, and total phosphorus yield delivered to the catchment outlet relative to all catchments	Ranking > Delivered to the Catchment Outlet

Table 15 Attribute table for table_r_p_res_catchment

table_r_p_res_catchment			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Ranking > Priority Resource Delivery
p_res_catch_ID	Long Integer	Unique whole number ID for priority resource catchment	Ranking > Priority Resource Delivery
catch_ID	Long Integer	Unique whole number ID for catchment	Ranking > Priority Resource Delivery
c_acres	Double	Catchment area in acres	Ranking > Priority Resource Delivery

table_r_p_res_catchment			
Field Name	**Data Type**	**Description**	**Processed in**
sed_mass_rank	Double	Rank of annual mobilized sediment yield within the catchment, relative to all catchments	Ranking > Priority Resource Delivery
tn_mass_rank	Double	Rank of annual mobilized total nitrogen yield within the catchment, relative to all catchments	Ranking > Priority Resource Delivery
tp_mass_rank	Double	Rank of annual mobilized total phosphorus yield within the catchment, relative to all catchments	Ranking > Priority Resource Delivery
sed_mass_fl_rank	Double	Rank of annual sediment yield delivered to the catchment outlet, relative to all catchments	Ranking > Priority Resource Delivery
tn_mass_fl_rank	Double	Rank of annual total nitrogen yield delivered to the catchment outlet, relative to all catchments	Ranking > Priority Resource Delivery
tp_mass_fl_rank	Double	Rank of annual total phosphorus yield delivered to the catchment outlet, relative to all catchments	Ranking > Priority Resource Delivery
sed_mass_pr_rank	Double	Rank of annual sediment yield delivered to the priority resource point catchment outlet, relative to all priority resource catchments	Ranking > Priority Resource Delivery
tn_mass_pr_rank	Double	Rank of annual total nitrogen yield delivered to the priority resource point catchment outlet, relative to all priority resource catchments	Ranking > Priority Resource Delivery

table_r_p_res_catchment			
Field Name	**Data Type**	**Description**	**Processed in**
tp_mass_pr_rank	Double	Rank of annual total phosphorus yield delivered to the priority resource point catchment outlet, relative to all priority resource catchments	Ranking > Priority Resource Delivery
wqi_mass	Double	Rank of Water Quality Index based on sediment, total nitrogen, and total phosphorus yield across the catchment, relative to all catchments	Ranking > Priority Resource Delivery
wqi_mass_fl	Double	Rank of Water Quality Index based on sediment, total nitrogen, and total phosphorus yield delivered to the catchment, outlet relative to all catchments	Ranking > Priority Resource Delivery
wqi_mass_pr	Double	Rank of Water Quality Index based on sediment, total nitrogen, and total phosphorus yield delivered to the priority resource catchment outlet, relative to all priority resource catchments	Ranking > Priority Resource Delivery
user_rank_weight_mean	Double	Mean catchment weighting value	Ranking > Custom Weighting
user_wqi_mass	Double	Weighted rank of Water Quality Index based on sediment, total nitrogen, and total phosphorus yield across the catchment, relative to all catchments	Ranking > Custom Weighting
user_wqi_mass_fl	Double	Weighted rank of Water Quality Index based on sediment, total nitrogen, and total phosphorus yield delivered to the catchment outlet, relative to all catchments	Ranking > Custom Weighting

table_r_p_res_catchment			
Field Name	**Data Type**	**Description**	**Processed in**
user_wqi_mass_pr	Double	Weighted rank of Water Quality Index based on sediment, total nitrogen, and total phosphorus yield delivered to the priority resource catchment outlet, relative to all priority resource catchments	Ranking > Custom Weighting

Table 16 Attribute table for user_rank_weight

user_rank_weight			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Provided by User; Ranking > Custom Weighting
SHAPE	Geometry	Feature geometry	Provided by User; Ranking > Custom Weighting
usr_rank_ID	Long Integer	Unique whole number ID for user rank area, determined by user	Provided by User; Ranking > Custom Weighting
rank_value	Double	User ranking value ranging from 0 to 1	Provided by User; Ranking > Custom Weighting
SHAPE_Length	Double	Length of feature in internal units	Provided by User; Ranking > Custom Weighting
SHAPE_Area	Double	Area of feature in internal units squared	Provided by User; Ranking > Custom Weighting

Table 17 Attribute table for bmp_null

bmp_null			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Provided by User; BMP Suitability > Excluded Areas
SHAPE	Geometry	Feature geometry	Provided by User; BMP Suitability > Excluded Areas
bmp_null_ID	Long Integer	Unique whole number ID for BMP exclusion area, determined by user	Provided by User; BMP Suitability > Excluded Areas
d_null	Short Integer	Records set equal to 0 will be used to exclude areas for BMP potential. All other values in this field should be set = 1.	Provided by User; BMP Suitability > Excluded Areas
SHAPE_Length	Double	Length of feature in internal units	Provided by User; BMP Suitability > Excluded Areas
SHAPE_Area	Double	Area of feature in internal units squared	Provided by User; BMP Suitability > Excluded Areas

Table 18 Attribute table for Best Management Practice Feature Class

BMP Feature Class			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	BMP Suitability > BMP Suitability
SHAPE	Geometry	Feature geometry	BMP Suitability > BMP Suitability
FULL_BMP_ID	Text	Unique whole number ID created by combining BMP ID, catchment ID, treatment group code, and NRCS_code; BMP_ID "_" catch_ID "_" grp_code "_" NRCS_code	BMP Suitability > BMP Suitability
gridcode	Long Integer	Equivalent to smallest non-zero values of 'BMP_ID'	BMP Suitability > BMP Suitability
wtsArea_ft	Double	Area draining to BMP in square-feet	BMP Suitability > BMP Suitability
BMP_ID	Long Integer	ID provided to each BMP	BMP Suitability > BMP Suitability
catch_ID	Long Integer	Catchment ID BMP is within	BMP Suitability > BMP Suitability
unq_BMP_ID	Text	Unique whole number ID created by combining BMP ID, catchment ID, and treatment group code; BMP_ID "_" catch_ID "_" grp_code	BMP Suitability > BMP Suitability
grp_code	Short Integer	BMP treatment group code (1 = storage, 2 = filtration, 3 = biofiltration, 4 = infiltration, 5 = protection, 6 = source reduction)	BMP Suitability > BMP Suitability

BMP Feature Class			
Field Name	**Data Type**	**Description**	**Processed in**
NRCS_code	Text	BMP NRCS code (327 = Perennial Crops, 329 = No till, 340 = Cover Crops, 342 = Critical Area Planting, 345 = Reduced till, 350 = Infiltration Trench/Small Infiltration Basin, 378 = Farm Pond/Wetland, 390 = Riparian Buffer, 393 = Filtration Strip, 410 = Grade Stabilization, 412 = Grassed Waterway, 512 = Prescribed Grazing, 528 = Forage / Biomass Planting, 554 = Drainage Water Management, 580 = Lake and Wetland Shoreline Restoration, 582 = Multi-stage Ditch (open channel), 590_1 = Nutrient Management of Groundwater, 590_2 = Nutrient Management for Phosphorus, 590_3 = Nutrient Management for Nitrogen, 604 = Saturated Buffer, 605 = Denitrifying Bioreactor, 638 = Water and Sediment Control Basin, 656_1 = Large Wetland Restoration, and 656_2 = Regional Wetland/Pond)	BMP Suitability > BMP Suitability
T_Volume	Double	Maximum volume of water treated by BMP in cu-ft (grp_code = 1, 4) or maximum velocity of water treated by BMP in ft/sec (grp_code = 2, 3). Not calculated for BMPs with grp_code = 5 or 6.	Benefits Analysis > Reduction Ratio
CN_Wtsh	Double	Mean CN of area contributing to practice	Benefits Analysis > Reduction Ratio
S_Wtsh	Double	S value of area contributing to practice. Not calculated for grp_code 5 or 6 BMPs.	Benefits Analysis > Reduction Ratio
Ia_Wtsh	Double	Initial abstraction (inches) of area contributing to practice. Not calculated for grp_code 5 or 6 BMPs.	Benefits Analysis > Reduction Ratio
Zin_2yr24h	Double	Excess runoff depth (inches) for 2-year, 24-hour precipitation event. Not calculated for grp_code 5 or 6 BMPs.	Benefits Analysis > Reduction Ratio

BMP Feature Class			
Field Name	**Data Type**	**Description**	**Processed in**
Zin_10yr24	Double	Excess runoff depth (inches) for 10 year, 24-hour precipitation event. Not calculated for grp_code 5 or 6 BMPs.	Benefits Analysis > Reduction Ratio
Pin_10yr24	Double	Precipitation depth (inches) for 10 year, 24-hour precipitation event. Not calculated for grp_code 5 or 6 BMPs.	Benefits Analysis > Reduction Ratio
Pin_2yr24h	Double	Precipitation depth (inches) for 2-year, 24-hour precipitation event. Not calculated for grp_code 5 or 6 BMPs.	Benefits Analysis > Reduction Ratio
D_2yr24hr	Double	Volume of water delivered to a BMP during a 2-year, 24-hour precipitation event in cu-ft (grp_code = 1, 4), or velocity of water delivered to a BMP during a 2-year, 24-hour precipitation event in ft/sec (grp_code = 2, 3). Not calculated for grp_code 5 or 6 BMPs.	Benefits Analysis > Reduction Ratio
D_10yr24hr	Double	Volume of water delivered to a BMP during a 10 year, 24-hour precipitation event in cu-ft (grp_code = 1, 4), or velocity of water delivered to a BMP during a 10 year, 24-hour precipitation event in ft/sec (grp_code = 2, 3). Not calculated for grp_code 5 or 6 BMPs.	Benefits Analysis > Reduction Ratio
R_10yr24hr	Double	Reduction ratio for 10 year, 24-hour event (must be between 0 - 1)	Benefits Analysis > Reduction Ratio
R_2yr24hr	Double	Reduction ratio for 2-year, 24-hour event (must be between 0 - 1)	Benefits Analysis > Reduction Ratio
SedCat_tn	Double	Sediment at the BMP that will be delivered to the catchment outlet, tons	Benefits Analysis > Estimate Load Reductions

BMP Feature Class			
Field Name	**Data Type**	**Description**	**Processed in**
tpCat_lbs	Double	Total phosphorus at the BMP that will be delivered to the catchment outlet, pounds	Benefits Analysis > Estimate Load Reductions
tnCat_lbs	Double	Total nitrogen at the BMP that will be delivered to the catchment outlet, pounds	Benefits Analysis > Estimate Load Reductions
theacres	Double	BMP practice area (acres)	BMP Suitability > BMP Suitability
SQ2_10	Double	Median (Q2) reduction fraction for sediment at BMP based upon 10 year, 24-hour event	Benefits Analysis > Reduction Efficiency
SQ1_10	Double	Lower bound quartile range (Q1) reduction fraction for sediment at BMP based upon 10 year, 24-hour event	Benefits Analysis > Reduction Efficiency
SQ3_10	Double	Upper bound quartile range (Q3) reduction fraction for sediment at BMP based upon 10 year, 24-hour event	Benefits Analysis > Reduction Efficiency
SQmin_10	Double	Minimum reduction fraction for sediment at BMP based upon 10 year, 24-hour event	Benefits Analysis > Reduction Efficiency
SQmax_10	Double	Maximum reduction fraction for sediment at BMP based upon 10 year, 24-hour event	Benefits Analysis > Reduction Efficiency
PQ2_10	Double	Median (Q2) reduction fraction for total phosphorus at BMP based upon 10 year, 24-hour event	Benefits Analysis > Reduction Efficiency
PQ1_10	Double	Lower bound quartile range (Q1) reduction fraction for total phosphorus at BMP based upon 10 year, 24-hour event	Benefits Analysis > Reduction Efficiency

BMP Feature Class			
Field Name	**Data Type**	**Description**	**Processed in**
PQ3_10	Double	Upper bound quartile range (Q3) reduction fraction for total phosphorus at BMP based upon 10 year, 24-hour event	Benefits Analysis > Reduction Efficiency
PQmin_10	Double	Minimum reduction fraction for total phosphorus at BMP based upon 10 year, 24-hour event	Benefits Analysis > Reduction Efficiency
PQmax_10	Double	Maximum reduction fraction for total phosphorus at BMP based upon 10 year, 24-hour event	Benefits Analysis > Reduction Efficiency
NQ2_10	Double	Median (Q2) reduction fraction for total nitrogen at BMP based upon 10 year, 24-hour event	Benefits Analysis > Reduction Efficiency
NQ1_10	Double	Lower bound quartile range (Q1) reduction fraction for total nitrogen at BMP based upon 10 year, 24-hour event	Benefits Analysis > Reduction Efficiency
NQ3_10	Double	Upper bound quartile range (Q3) reduction fraction for total nitrogen at BMP based upon 10 year, 24-hour event	Benefits Analysis > Reduction Efficiency
NQmin_10	Double	Minimum reduction fraction for total nitrogen at BMP based upon 10 year, 24-hour event	Benefits Analysis > Reduction Efficiency
NQmax_10	Double	Maximum reduction fraction for total nitrogen at BMP based upon 10 year, 24-hour event	Benefits Analysis > Reduction Efficiency
C_SQ2_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at the catchment outlet based upon median (Q2) effectiveness	Benefits Analysis > Estimate Load Reductions

BMP Feature Class			
Field Name	**Data Type**	**Description**	**Processed in**
C_SQ1_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at the catchment outlet based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Estimate Load Reductions
C_SQ3_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at the catchment outlet based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Estimate Load Reductions
C_SQmin_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at the catchment outlet based upon minimum effectiveness	Benefits Analysis > Estimate Load Reductions
C_SQmax_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at the catchment outlet based upon maximum effectiveness	Benefits Analysis > Estimate Load Reductions
C_PQ2_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon median (Q2) effectiveness	Benefits Analysis > Estimate Load Reductions
C_PQ1_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Estimate Load Reductions
C_PQ3_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Estimate Load Reductions
C_PQmin_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon minimum effectiveness	Benefits Analysis > Estimate Load Reductions

BMP Feature Class			
Field Name	**Data Type**	**Description**	**Processed in**
C_PQmax_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon maximum effectiveness	Benefits Analysis > Estimate Load Reductions
C_NQ2_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon median (Q2) effectiveness	Benefits Analysis > Estimate Load Reductions
C_NQ1_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Estimate Load Reductions
C_NQ3_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Estimate Load Reductions
C_NQmin_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon minimum effectiveness	Benefits Analysis > Estimate Load Reductions
C_NQmax_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon maximum effectiveness	Benefits Analysis > Estimate Load Reductions
SQ2_02	Double	Median (Q2) reduction fraction for sediment at BMP based upon 2-year, 24-hour event	Benefits Analysis > Reduction Efficiency
SQ1_02	Double	Lower bound quartile range (Q1) reduction fraction for sediment at BMP based upon 2-year, 24-hour event	Benefits Analysis > Reduction Efficiency
SQ3_02	Double	Upper bound quartile range (Q3) reduction fraction for sediment at BMP based upon 2-year, 24-hour event	Benefits Analysis > Reduction Efficiency

BMP Feature Class			
Field Name	**Data Type**	**Description**	**Processed in**
SQmin_02	Double	Minimum reduction fraction for sediment at BMP based upon 2-year, 24-hour event	Benefits Analysis > Reduction Efficiency
SQmax_02	Double	Maximum reduction fraction for sediment at BMP based upon 2-year, 24-hour event	Benefits Analysis > Reduction Efficiency
PQ2_02	Double	Median (Q2) reduction fraction for total phosphorus at BMP based upon 2-year, 24-hour event	Benefits Analysis > Reduction Efficiency
PQ1_02	Double	Lower bound quartile range (Q1) reduction fraction for total phosphorus at BMP based upon 2-year, 24-hour event	Benefits Analysis > Reduction Efficiency
PQ3_02	Double	Upper bound quartile range (Q3) reduction fraction for total phosphorus at BMP based upon 2-year, 24-hour event	Benefits Analysis > Reduction Efficiency
PQmin_02	Double	Minimum reduction fraction for total phosphorus at BMP based upon 2-year, 24-hour event	Benefits Analysis > Reduction Efficiency
PQmax_02	Double	Maximum reduction fraction for total phosphorus at BMP based upon 2-year, 24-hour event	Benefits Analysis > Reduction Efficiency
NQ2_02	Double	Median (Q2) reduction fraction for total nitrogen at BMP based upon 2-year, 24-hour event	Benefits Analysis > Reduction Efficiency
NQ1_02	Double	Lower bound quartile range (Q1) reduction fraction for total nitrogen at BMP based upon 2-year, 24-hour event	Benefits Analysis > Reduction Efficiency

BMP Feature Class			
Field Name	**Data Type**	**Description**	**Processed in**
NQ3_02	Double	Upper bound quartile range (Q3) reduction fraction for total nitrogen at BMP based upon 2-year, 24-hour event	Benefits Analysis > Reduction Efficiency
NQmin_02	Double	Minimum reduction fraction for total nitrogen at BMP based upon 2-year, 24-hour event	Benefits Analysis > Reduction Efficiency
NQmax_02	Double	Maximum reduction fraction for total nitrogen at BMP based upon 2-year, 24-hour event	Benefits Analysis > Reduction Efficiency
C_SQ2_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at the catchment outlet based upon median (Q2) effectiveness	Benefits Analysis > Estimate Load Reductions
C_SQ1_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at the catchment outlet based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Estimate Load Reductions
C_SQ3_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at the catchment outlet based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Estimate Load Reductions
C_SQmin_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at the catchment outlet based upon minimum effectiveness	Benefits Analysis > Estimate Load Reductions
C_SQmax_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at the catchment outlet based upon maximum effectiveness	Benefits Analysis > Estimate Load Reductions
C_PQ2_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon median (Q2) effectiveness	Benefits Analysis > Estimate Load Reductions

BMP Feature Class			
Field Name	**Data Type**	**Description**	**Processed in**
C_PQ1_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Estimate Load Reductions
C_PQ3_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Estimate Load Reductions
C_PQmin_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon minimum effectiveness	Benefits Analysis > Estimate Load Reductions
C_PQmax_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon maximum effectiveness	Benefits Analysis > Estimate Load Reductions
C_NQ2_02	Double	BMP total nitrogen reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon median (Q2) effectiveness	Benefits Analysis > Estimate Load Reductions
C_NQ1_02	Double	BMP total nitrogen reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Estimate Load Reductions
C_NQ3_02	Double	BMP total nitrogen reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Estimate Load Reductions
C_NQmin_02	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon minimum effectiveness	Benefits Analysis > Estimate Load Reductions

BMP Feature Class			
Field Name	**Data Type**	**Description**	**Processed in**
C_NQmax_02	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon maximum effectiveness	Benefits Analysis > Estimate Load Reductions
SECTION	Long Integer	PLSS Section number	BMP Suitability > BMP Suitability
TOWNSHIP	Long Integer	PLSS Township number	BMP Suitability > BMP Suitability
RANGE	Long Integer	PLSS Range number	BMP Suitability > BMP Suitability
Shape_Leng	Double	Length of feature in internal units	BMP Suitability > BMP Suitability
Shape_Area	Double	Area of feature in internal units squared	BMP Suitability > BMP Suitability

BMP – Best Management Practice, NRCS – Natural Resources Conservation Service, PLSS – Public Land Survey System

Table 19 Attribute table for table_treat

table_treat			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Part of base.gdb

table_treat			
Field Name	**Data Type**	**Description**	**Processed in**
BMP_Group	Text	PTMApp feature class name	Part of base.gdb
NRCS_name	Text	NRCS BMP name	Part of base.gdb
GrpCode	Long Integer	BMP treatment group code (1 = storage, 2 = filtration, 3 = biofiltration, 4 = infiltration, 5 = protection, 6 = source reduction)	Part of base.gdb
NRCS_code	Text	BMP NRCS code (327 = Perennial Crops, 329 = No till, 340 = Cover Crops, 342 = Critical Area Planting, 345 = Reduced till, 350 = Infiltration Trench/Small Infiltration Basin, 378 = Farm Pond/Wetland, 390 = Riparian Buffer, 393 = Filtration Strip, 410 = Grade Stabilization, 412 = Grassed Waterway, 512 = Prescribed Grazing, 528 = Forage / Biomass Planting, 554 = Drainage Water Management, 580 = Lake and Wetland Shoreline Restoration, 582 = Multi-stage Ditch (open channel), 590_1 = Nutrient Management of Groundwater, 590_2 = Nutrient Management for Phosphorus, 590_3 = Nutrient Management for Nitrogen, 604 = Saturated Buffer, 605 = Denitrifying Bioreactor, 638 = Water and Sediment Control Basin, 656_1 = Large Wetland Restoration, and 656_2 = Regional Wetland/Pond)	Part of base.gdb
Sed_Q1	Double	Lower bound quartile range of sediment reduction efficiency	Part of base.gdb
Sed_Q2	Double	Median of sediment reduction efficiency	Part of base.gdb
Sed_Q3	Double	Upper bound quartile range of sediment reduction efficiency	Part of base.gdb
Sed_min	Double	Minimum sediment reduction efficiency	Part of base.gdb
Sed_max	Double	Maximum sediment reduction efficiency	Part of base.gdb

table_treat			
Field Name	**Data Type**	**Description**	**Processed in**
Sed_k	Double	Decay parameter estimated from sediment efficiency statistics	Part of base.gdb
SedStud	Text	Number of studies associated with the efficiency statistics	Part of base.gdb
SedSites	Text	Number of sites investigated by the studies of efficiency	Part of base.gdb
Source	Text	Types of practices used in developing the efficiency statistics	Part of base.gdb
Edited	Text	Date of last update to statistics	Part of base.gdb
TP_Q1	Double	Lower bound quartile range of total phosphorus reduction efficiency	Part of base.gdb
TP_Q2	Double	median of total phosphorus reduction efficiency	Part of base.gdb
TP_Q3	Double	Upper bound quartile range of total phosphorus reduction efficiency	Part of base.gdb
TP_min	Double	Minimum total phosphorus reduction efficiency	Part of base.gdb
TP_max	Double	Maximum total phosphorus reduction efficiency	Part of base.gdb
TP_k	Double	Decay parameter estimated from total phosphorus efficiency statistics	Part of base.gdb
TPStud	Text	Number of studies associated with the efficiency statistics	Part of base.gdb
TPSites	Text	Number of sites investigated by the studies of efficiency	Part of base.gdb

table_treat			
Field Name	**Data Type**	**Description**	**Processed in**
Source1	Text	Types of practices used in developing the efficiency statistics	Part of base.gdb
Edited1	Text	Date of last update to statistics	Part of base.gdb
TN_Q1	Double	Lower bound quartile range of total nitrogen reduction efficiency	Part of base.gdb
TN_Q2	Double	median of total nitrogen reduction efficiency	Part of base.gdb
TN_Q3	Double	Upper bound quartile range of total nitrogen reduction efficiency	Part of base.gdb
TN_min	Double	Minimum total nitrogen reduction efficiency	Part of base.gdb
TN_max	Double	Maximum total nitrogen reduction efficiency	Part of base.gdb
TN_k	Double	Decay parameter estimated from total nitrogen efficiency statistics	Part of base.gdb
TNStud	Text	Number of studies associated with the efficiency statistics	Part of base.gdb
TNsites	Text	Number of sites investigated by the studies of efficiency	Part of base.gdb
Source2	Text	Types of practices used in developing the efficiency statistics	Part of base.gdb
Edited2	Text	Date of last update to statistics	Part of base.gdb

BMP – Best Management Practice, NRCS – Natural Resources Conservation Service

Table 20 Attribute table for table_ba_bmp_all

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Benefits Analysis > Generate Benefits Tables
wtsArea_ft	Double	watershed area of BMP in sq-ft	Benefits Analysis > Generate Benefits Tables
BMP_ID	Long Integer	Unique whole number ID created by combining treatment group code, catchment ID, and treatment group ID.	Benefits Analysis > Generate Benefits Tables
catch_ID	Long Integer	Catchment ID BMP is within	Benefits Analysis > Generate Benefits Tables
unq_BMP_ID	Text	Unique whole number ID created by combining BMP ID, catchment ID, and treatment group code; BMP_ID "_" catch_ID "_" grp_code	Benefits Analysis > Generate Benefits Tables
FULL_BMP_ID	Text	Unique whole number ID created by combining BMP ID, catchment ID, treatment group code, and NRCS_code; BMP_ID "_" catch_ID "_" grp_code "_" NRCS_code	Benefits Analysis > Generate Benefits Tables
grp_code	Short Integer	BMP treatment group code (1 = storage, 2 = filtration, 3 = biofiltration, 4 = infiltration, 5 = protection, 6 = source reduction)	Benefits Analysis > Generate Benefits Tables

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
NRCS_code	Text	BMP NRCS code (327 = Perennial Crops, 329 = No till, 340 = Cover Crops, 342 = Critical Area Planting, 345 = Reduced till, 350 = Infiltration Trench/Small Infiltration Basin, 378 = Farm Pond/Wetland, 390 = Riparian Buffer, 393 = Filtration Strip, 410 = Grade Stabilization, 412 = Grassed Waterway, 512 = Prescribed Grazing, 528 = Forage / Biomass Planting, 554 = Drainage Water Management, 580 = Lake and Wetland Shoreline Restoration, 582 = Multi-stage Ditch (open channel), 590_1 = Nutrient Management of Groundwater, 590_2 = Nutrient Management for Phosphorus, 590_3 = Nutrient Management for Nitrogen, 604 = Saturated Buffer, 605 = Denitrifying Bioreactor, 638 = Water and Sediment Control Basin, 656_1 = Large Wetland Restoration, and 656_2 = Regional Wetland/Pond)	Benefits Analysis > Generate Benefits Tables
T_Volume	Double	Maximum volume of water treated by BMP in cu-ft (grp_code = 1, 4) or maximum velocity of water treated by BMP in ft/sec (grp_code = 2, 3). Not calculated for BMPs with grp_code = 5 or 6.	Benefits Analysis > Generate Benefits Tables
CN_Wtsh	Double	Mean CN of area contributing to practice	Benefits Analysis > Generate Benefits Tables
S_Wtsh	Double	S value of area contributing to practice. Not calculated for grp_code 5 or 6 BMPs.	Benefits Analysis > Generate Benefits Tables
Ia_Wtsh	Double	Initial abstraction (inches) of area contributing to practice. Not calculated for grp_code 5 or 6 BMPs.	Benefits Analysis > Generate Benefits Tables
Zin_2yr24h	Double	Excess runoff depth (inches) for 2-year, 24-hour precipitation event. Not calculated for grp_code 5 or 6 BMPs.	Benefits Analysis > Generate Benefits Tables
Zin_10yr24	Double	Excess runoff depth (inches) for 10 year, 24-hour precipitation event. Not calculated for grp_code 5 or 6 BMPs.	Benefits Analysis > Generate Benefits Tables

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
Pin_10yr24	Double	Precipitation depth (inches) for 10 year, 24-hour precipitation event. Not calculated for grp_code 5 or 6 BMPs.	Benefits Analysis > Generate Benefits Tables
Pin_2yr24h	Double	Precipitation depth (inches) for 2-year, 24-hour precipitation event. Not calculated for grp_code 5 or 6 BMPs.	Benefits Analysis > Generate Benefits Tables
D_2yr24hr	Double	Volume of water delivered to a BMP during a 2-year, 24-hour precipitation event in cu-ft (grp_code = 1, 4), or velocity of water delivered to a BMP during a 2-year, 24-hour precipitation event in ft/sec (grp_code = 2, 3). Not calculated for grp_code 5 or 6 BMPs.	Benefits Analysis > Generate Benefits Tables
D_10yr24hr	Double	Volume of water delivered to a BMP during a 10 year, 24-hour precipitation event in cu-ft (grp_code = 1, 4), or velocity of water delivered to a BMP during a 10 year, 24-hour precipitation event in ft/sec (grp_code = 2, 3). Not calculated for grp_code 5 or 6 BMPs.	Benefits Analysis > Generate Benefits Tables
R_10yr24hr	Double	Reduction ratio for 10 year, 24-hour event (must be between 0 - 1)	Benefits Analysis > Generate Benefits Tables
R_2yr24hr	Double	Reduction ratio for 2-year, 24-hour event (must be between 0 - 1)	Benefits Analysis > Generate Benefits Tables
SedCat_tn	Double	Sediment at the BMP that will be delivered to the catchment outlet in tons	Benefits Analysis > Generate Benefits Tables
tpCat_lbs	Double	Phosphorus at the BMP that will be delivered to a catchment outlet in pounds	Benefits Analysis > Generate Benefits Tables

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
tnCat_lbs	Double	Nitrogen at the BMP that will be delivered to a catchment outlet in pounds	Benefits Analysis > Generate Benefits Tables
theacres	Float	BMP practice area (acres)	Benefits Analysis > Generate Benefits Tables
SQ2_10	Double	Median (Q2) reduction fraction for sediment at BMP based upon 10 year, 24-hour event	Benefits Analysis > Generate Benefits Tables
SQ1_10	Double	Lower bound quartile range (Q1) reduction fraction for sediment at BMP based upon 10 year, 24-hour event	Benefits Analysis > Generate Benefits Tables
SQ3_10	Double	Upper bound quartile range (Q3) reduction fraction for sediment at BMP based upon 10 year, 24-hour event	Benefits Analysis > Generate Benefits Tables
Smin_10	Double	Minimum reduction fraction for sediment at BMP based upon 10 year, 24-hour event	Benefits Analysis > Generate Benefits Tables
Smax_10	Double	Maximum reduction fraction for sediment at BMP based upon 10 year, 24-hour event	Benefits Analysis > Generate Benefits Tables
PQ2_10	Double	Median (Q2) reduction fraction for total phosphorus at BMP based upon 10 year, 24-hour event	Benefits Analysis > Generate Benefits Tables
PQ1_10	Double	Lower bound quartile range (Q1) reduction fraction for total phosphorus at BMP based upon 10 year, 24-hour event	Benefits Analysis > Generate Benefits Tables

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
PQ3_10	Double	Upper bound quartile range (Q3) reduction fraction for total phosphorus at BMP based upon 10 year, 24-hour event	Benefits Analysis > Generate Benefits Tables
Pmin_10	Double	Minimum reduction fraction for total phosphorus at BMP based upon 10 year, 24-hour event	Benefits Analysis > Generate Benefits Tables
Pmax_10	Double	Maximum reduction fraction for total phosphorus at BMP based upon 10 year, 24-hour event	Benefits Analysis > Generate Benefits Tables
NQ2_10	Double	Median (Q2) reduction fraction for total nitrogen at BMP based upon 10 year, 24-hour event	Benefits Analysis > Generate Benefits Tables
NQ1_10	Double	Lower bound quartile range (Q1) reduction fraction for total nitrogen at BMP based upon 10 year, 24-hour event	Benefits Analysis > Generate Benefits Tables
NQ3_10	Double	Upper bound quartile range (Q3) reduction fraction for total nitrogen at BMP based upon 10 year, 24-hour event	Benefits Analysis > Generate Benefits Tables
Nmin_10	Double	Minimum reduction fraction for total nitrogen at BMP based upon 10 year, 24-hour event	Benefits Analysis > Generate Benefits Tables
Nmax_10	Double	Maximum reduction fraction for total nitrogen at BMP based upon 10 year, 24-hour event	Benefits Analysis > Generate Benefits Tables
C_SQ2_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at the catchment outlet based upon median (Q2) effectiveness	Benefits Analysis > Generate Benefits Tables

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
C_SQ1_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at the catchment outlet based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Generate Benefits Tables
C_SQ3_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at the catchment outlet based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Generate Benefits Tables
C_SQmin_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at the catchment outlet based upon minimum effectiveness	Benefits Analysis > Generate Benefits Tables
C_SQmax_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at the catchment outlet based upon maximum effectiveness	Benefits Analysis > Generate Benefits Tables
C_PQ2_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon median (Q2) effectiveness	Benefits Analysis > Generate Benefits Tables
C_PQ1_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Generate Benefits Tables
C_PQ3_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Generate Benefits Tables
C_PQmin_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon minimum effectiveness	Benefits Analysis > Generate Benefits Tables
C_PQmax_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon maximum effectiveness	Benefits Analysis > Generate Benefits Tables

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
C_NQ2_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon median (Q2) effectiveness	Benefits Analysis > Generate Benefits Tables
C_NQ1_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Generate Benefits Tables
C_NQ3_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Generate Benefits Tables
C_NQmin_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon minimum effectiveness	Benefits Analysis > Generate Benefits Tables
C_NQmax_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon maximum effectiveness	Benefits Analysis > Generate Benefits Tables
SQ2_02	Double	Median (Q2) reduction fraction for sediment at BMP based upon 2-year, 24-hour event	Benefits Analysis > Generate Benefits Tables
SQ1_02	Double	Lower bound quartile range (Q1) reduction fraction for sediment at BMP based upon 2-year, 24-hour event	Benefits Analysis > Generate Benefits Tables
SQ3_02	Double	Upper bound quartile range (Q3) reduction fraction for sediment at BMP based upon 2-year, 24-hour event	Benefits Analysis > Generate Benefits Tables
Smin_02	Double	Minimum reduction fraction for sediment at BMP based upon 2-year, 24-hour event	Benefits Analysis > Generate Benefits Tables

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
Smax_02	Double	Maximum reduction fraction for sediment at BMP based upon 2-year, 24-hour event	Benefits Analysis > Generate Benefits Tables
PQ2_02	Double	Median (Q2) reduction fraction for total phosphorus at BMP based upon 2-year, 24-hour event	Benefits Analysis > Generate Benefits Tables
PQ1_02	Double	Lower bound quartile range (Q1) reduction fraction for total phosphorus at BMP based upon 2-year, 24-hour event	Benefits Analysis > Generate Benefits Tables
PQ3_02	Double	Upper bound quartile range (Q3) reduction fraction for total phosphorus at BMP based upon 2-year, 24-hour event	Benefits Analysis > Generate Benefits Tables
Pmin_02	Double	Minimum reduction fraction for total phosphorus at BMP based upon 2-year, 24-hour event	Benefits Analysis > Generate Benefits Tables
Pmax_02	Double	Maximum reduction fraction for total phosphorus at BMP based upon 2-year, 24-hour event	Benefits Analysis > Generate Benefits Tables
NQ2_02	Double	Median (Q2) reduction fraction for total nitrogen at BMP based upon 2-year, 24-hour event	Benefits Analysis > Generate Benefits Tables
NQ1_02	Double	Lower bound quartile range (Q1) reduction fraction for total nitrogen at BMP based upon 2-year, 24-hour event	Benefits Analysis > Generate Benefits Tables
NQ3_02	Double	Upper bound quartile range (Q3) reduction fraction for total nitrogen at BMP based upon 2-year, 24-hour event	Benefits Analysis > Generate Benefits Tables

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
Nmin_02	Double	Minimum reduction fraction for total nitrogen at BMP based upon 2-year, 24-hour event	Benefits Analysis > Generate Benefits Tables
Nmax_02	Double	Maximum reduction fraction for total nitrogen at BMP based upon 2-year, 24-hour event	Benefits Analysis > Generate Benefits Tables
C_SQ2_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at the catchment outlet based upon median (Q2) effectiveness	Benefits Analysis > Generate Benefits Tables
C_SQ1_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at the catchment outlet based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Generate Benefits Tables
C_SQ3_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at the catchment outlet based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Generate Benefits Tables
C_SQmin_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at the catchment outlet based upon minimum effectiveness	Benefits Analysis > Generate Benefits Tables
C_SQmax_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at the catchment outlet based upon maximum effectiveness	Benefits Analysis > Generate Benefits Tables
C_PQ2_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon median (Q2) effectiveness	Benefits Analysis > Generate Benefits Tables
C_PQ1_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Generate Benefits Tables

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
C_PQ3_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Generate Benefits Tables
C_PQmin_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon minimum effectiveness	Benefits Analysis > Generate Benefits Tables
C_PQmax_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon maximum effectiveness	Benefits Analysis > Generate Benefits Tables
C_NQ2_02	Double	BMP total nitrogen reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon median (Q2) effectiveness	Benefits Analysis > Generate Benefits Tables
C_NQ1_02	Double	BMP total nitrogen reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Generate Benefits Tables
C_NQ3_02	Double	BMP total nitrogen reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Generate Benefits Tables
C_NQmin_02	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon minimum effectiveness	Benefits Analysis > Generate Benefits Tables
C_NQmax_02	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon maximum effectiveness	Benefits Analysis > Generate Benefits Tables
SECTION	Long Integer	PLSS Section number	Benefits Analysis > Generate Benefits Tables

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
TOWNSHIP	Long Integer	PLSS Township number	Benefits Analysis > Generate Benefits Tables
RANGE	Long Integer	PLSS Range number	Benefits Analysis > Generate Benefits Tables
Shape_Leng	Double	Length of feature in internal units	Benefits Analysis > Generate Benefits Tables
Shape_Area	Double	Area of feature in internal units squared	Benefits Analysis > Generate Benefits Tables
ec_sq2_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming median (Q2) reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis
ec_sq1_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis
ec_sq3_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis
ec_sqmin_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming minimum reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
ec_sqmax_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming maximum reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis
ec_pq2_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming median (Q2) reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
ec_pq1_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
ec_pq3_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
ec_pqmin_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming minimum reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
ec_pqmax_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming maximum reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
ec_nq2_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming median (Q2) reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
ec_nq1_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
ec_nq3_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
ec_nqmin_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming minimum reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
ec_nqmax_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming maximum reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
ec_sq2_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming median (Q2) reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis
ec_sq1_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis
ec_sq3_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
ec_sqmin_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming minimum reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis
ec_sqmax_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming maximum reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis
ec_pq2_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming median (Q2) reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
ec_pq1_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
ec_pq3_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
ec_pqmin_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming minimum reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
ec_pqmax_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming maximum reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
ec_nq2_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming median (Q2) reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
ec_nq1_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
ec_nq3_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
ec_nqmin_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming minimum reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
ec_nqmax_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming maximum reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
BMP_tot_cost	Double	BMP total cost as specified in Cost Analysis in dollars	Cost Analysis
BMP_area_AC	Double	BMP practice area (acres)	Cost Analysis
eulc_sq2_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming median (Q2) reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
eulc_sq1_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis
eulc_sq3_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis
eulc_sqmin_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming minimum reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis
eulc_sqmax_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming maximum reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis
eulc_pq2_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming median (Q2) reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
eulc_pq1_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
eulc_pq3_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
eulc_pqmin_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming minimum reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
eulc_pqmax_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming maximum reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
eulc_nq2_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming median (Q2) reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
eulc_nq1_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
eulc_nq3_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
eulc_nqmin_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming minimum reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
eulc_nqmax_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming maximum reduction efficiency during a 10-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
eulc_sq2_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming median (Q2) reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis
eulc_sq1_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis
eulc_sq3_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis
eulc_sqmin_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming minimum reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis
eulc_sqmax_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming maximum reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/ton)	Cost Analysis
eulc_pq2_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming median (Q2) reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
eulc_pq1_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
eulc_pq3_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
eulc_pqmin_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming minimum reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
eulc_pqmax_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming maximum reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
eulc_nq2_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming median (Q2) reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
eulc_nq1_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
eulc_nq3_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
eulc_nqmin_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming minimum reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis

table_ba_bmp_all			
Field Name	**Data Type**	**Description**	**Processed in**
eulc_nqmax_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming maximum reduction efficiency during a 2-yr, 24hr storm event, as measured at the catchment outlet. ($/lb..)	Cost Analysis
usel_yr	Double	BMP useful life expectancy (yr)	Cost Analysis
usel_cost	Double	BMP useful life total cost ($)	Cost Analysis
usel_acost	Double	BMP useful life annualized cost ($/yr)	Cost Analysis

BMP – Best management practice, NRCS – Natural Resources Conservation Service, PLSS – Public land survey system

Table 21 Attribute table for table_ba_load_red

table_ba_load_red			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Benefits Analysis > Generate Benefits Tables
BMP_ID	Long Integer	Unique whole number ID created by combining treatment group code, catchment ID, and treatment group ID.	Benefits Analysis > Generate Benefits Tables

table_ba_load_red			
Field Name	**Data Type**	**Description**	**Processed in**
catch_ID	Long Integer	Unique whole number ID for catchment	Benefits Analysis > Generate Benefits Tables
unq_BMP_ID	Text	Unique whole number ID created by combining BMP ID, catchment ID, and treatment group code; BMP_ID "_" catch_ID "_" grp_code	Benefits Analysis > Generate Benefits Tables
grp_code	Short Integer	BMP treatment group code (1 = storage, 2 = filtration, 3 = biofiltration, 4 = infiltration, 5 = protection, 6 = source reduction)	Benefits Analysis > Generate Benefits Tables
R_SQ2_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Benefits Analysis > Generate Benefits Tables
R_SQ1_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Generate Benefits Tables
R_SQ3_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Generate Benefits Tables
R_SQmin_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at a given priority resource point based upon minimum effectiveness	Benefits Analysis > Generate Benefits Tables
R_SQmax_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at a given priority resource point based upon maximum effectiveness	Benefits Analysis > Generate Benefits Tables
R_PQ2_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Benefits Analysis > Generate Benefits Tables

table_ba_load_red			
Field Name	**Data Type**	**Description**	**Processed in**
R_PQ1_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Generate Benefits Tables
R_PQ3_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Generate Benefits Tables
R_PQmin_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at a given priority resource point based upon minimum effectiveness	Benefits Analysis > Generate Benefits Tables
R_PQmax_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at a given priority resource point based upon maximum effectiveness	Benefits Analysis > Generate Benefits Tables
R_NQ2_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Benefits Analysis > Generate Benefits Tables
R_NQ1_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Generate Benefits Tables
R_NQ3_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Generate Benefits Tables
R_NQmin_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at a given priority resource point based upon minimum effectiveness	Benefits Analysis > Generate Benefits Tables

table_ba_load_red			
Field Name	**Data Type**	**Description**	**Processed in**
R_NQmax_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at a given priority resource point based upon maximum effectiveness	Benefits Analysis > Generate Benefits Tables
R_SQ2_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Benefits Analysis > Generate Benefits Tables
R_SQ1_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Generate Benefits Tables
R_SQ3_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Generate Benefits Tables
R_SQmin_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at a given priority resource point based upon minimum effectiveness	Benefits Analysis > Generate Benefits Tables
R_SQmax_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at a given priority resource point based upon maximum effectiveness	Benefits Analysis > Generate Benefits Tables
R_PQ2_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Benefits Analysis > Generate Benefits Tables
R_PQ1_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Generate Benefits Tables
R_PQ3_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Generate Benefits Tables

table_ba_load_red			
Field Name	**Data Type**	**Description**	**Processed in**
R_PQmin_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at a given priority resource point based upon minimum effectiveness	Benefits Analysis > Generate Benefits Tables
R_PQmax_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at a given priority resource point based upon maximum effectiveness	Benefits Analysis > Generate Benefits Tables
R_NQ2_02	Double	BMP total nitrogen reduction (pounds) from 2-year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Benefits Analysis > Generate Benefits Tables
R_NQ1_02	Double	BMP total nitrogen reduction (pounds) from 2-year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Generate Benefits Tables
R_NQ3_02	Double	BMP total nitrogen reduction (pounds) from 2-year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Generate Benefits Tables
R_NQmin_02	Double	BMP total nitrogen reduction (pounds) from 2-year, 24-hour event at a given priority resource point based upon minimum effectiveness	Benefits Analysis > Generate Benefits Tables
R_NQmax_02	Double	BMP total nitrogen reduction (pounds) from 2-year, 24-hour event at a given priority resource point based upon maximum effectiveness	Benefits Analysis > Generate Benefits Tables
theacres	Double	BMP practice area (acres)	Benefits Analysis > Generate Benefits Tables
Shape_Length	Double	Length of feature in internal units	Benefits Analysis > Generate Benefits Tables

table_ba_load_red			
Field Name	**Data Type**	**Description**	**Processed in**
Shape_Area	Double	Area of feature in internal units squared	Benefits Analysis > Generate Benefits Tables
p_res_catch_ID	Long Integer	Unique whole number ID for priority resource catchment	Benefits Analysis > Generate Benefits Tables
FULL_BMP_ID	Text	Unique whole number ID created by combining BMP ID, catchment ID, treatment group code, and NRCS_code; BMP_ID "_" catch_ID "_" grp_code "_" NRCS_code	Benefits Analysis > Generate Benefits Tables
NRCS_code	Text	BMP NRCS code (327 = Perennial Crops, 329 = No till, 340 = Cover Crops, 342 = Critical Area Planting, 345 = Reduced till, 350 = Infiltration Trench/Small Infiltration Basin, 378 = Farm Pond/Wetland, 390 = Riparian Buffer, 393 = Filtration Strip, 410 = Grade Stabilization, 412 = Grassed Waterway, 512 = Prescribed Grazing, 528 = Forage / Biomass Planting, 554 = Drainage Water Management, 580 = Lake and Wetland Shoreline Restoration, 582 = Multi-stage Ditch (open channel), 590_1 = Nutrient Management of Groundwater, 590_2 = Nutrient Management for Phosphorus, 590_3 = Nutrient Management for Nitrogen, 604 = Saturated Buffer, 605 = Denitrifying Bioreactor, 638 = Water and Sediment Control Basin, 656_1 = Large Wetland Restoration, and 656_2 = Regional Wetland/Pond)	Benefits Analysis > Generate Benefits Tables
wtsArea_ft	Double	watershed area of BMP in sq-ft	Benefits Analysis > Generate Benefits Tables
er_sq2_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming median (Q2) reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis

table_ba_load_red			
Field Name	**Data Type**	**Description**	**Processed in**
er_sq1_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis
er_sq3_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis
er_sqmin_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming minimum reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis
er_sqmax_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming maximum reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis
er_pq2_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming median (Q2) reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
er_pq1_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis

table_ba_load_red			
Field Name	**Data Type**	**Description**	**Processed in**
er_pq3_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
er_pqmin_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming minimum reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
er_pqmax_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming maximum reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
er_nq2_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming median (Q2) reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
er_nq1_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
er_nq3_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
er_nqmin_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming minimum reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis

table_ba_load_red			
Field Name	**Data Type**	**Description**	**Processed in**
er_nqmax_10	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming maximum reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
er_sq2_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming median (Q2) reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis
er_sq1_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis
er_sq3_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis
er_sqmin_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming minimum reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis
er_sqmax_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of sediment load reduction assuming maximum reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis
er_pq2_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming median (Q2) reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis

table_ba_load_red			
Field Name	**Data Type**	**Description**	**Processed in**
er_pq1_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
er_pq3_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
er_pqmin_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming minimum reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
er_pqmax_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of phosphorus load reduction assuming maximum reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
er_nq2_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming median (Q2) reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
er_nq1_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis

table_ba_load_red			
Field Name	**Data Type**	**Description**	**Processed in**
er_nq3_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
er_nqmin_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming minimum reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
er_nqmax_02	Double	Cost effectiveness - using total cost (bmp_tot_cost), of nitrogen load reduction assuming maximum reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
eulr_sq2_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming median (Q2) reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis
eulr_sq1_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis
eulr_sq3_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis
eulr_sqmin_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming minimum reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis

table_ba_load_red			
Field Name	**Data Type**	**Description**	**Processed in**
eulr_sqmax_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming maximum reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis
eulr_pq2_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming median (Q2) reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
eulr_pq1_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
eulr_pq3_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
eulr_pqmin_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming minimum reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
eulr_pqmax_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming maximum reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
eulr_nq2_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming median (Q2) reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis

table_ba_load_red			
Field Name	**Data Type**	**Description**	**Processed in**
eulr_nq1_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
eulr_nq3_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
eulr_nqmin_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming minimum reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
eulr_nqmax_10	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming maximum reduction efficiency during a 10-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
eulr_sq2_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming median (Q2) reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis
eulr_sq1_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis

table_ba_load_red			
Field Name	**Data Type**	**Description**	**Processed in**
eulr_sq3_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis
eulr_sqmin_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming minimum reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis
eulr_sqmax_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of sediment load reduction assuming maximum reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/ton)	Cost Analysis
eulr_pq2_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming median (Q2) reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
eulr_pq1_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
eulr_pq3_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
eulr_pqmin_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming minimum reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis

table_ba_load_red			
Field Name	**Data Type**	**Description**	**Processed in**
eulr_pqmax_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of phosphorus load reduction assuming maximum reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
eulr_nq2_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming median (Q2) reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
eulr_nq1_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming lower bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
eulr_nq3_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming upper bound quartile range (Q1) reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
eulr_nqmin_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming minimum reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
eulr_nqmax_02	Double	Cost effectiveness - using annualized useful life cost (usel_acost), of nitrogen load reduction assuming maximum reduction efficiency during a 2-yr, 24hr storm event, as measured at the priority resource outlet. ($/lb..)	Cost Analysis
usel_yr	Double	BMP useful life expectancy (yr)	Cost Analysis
usel_cost	Double	BMP useful life total cost ($)	Cost Analysis

table_ba_load_red			
Field Name	**Data Type**	**Description**	**Processed in**
usel_acost	Double	BMP useful life annualized cost ($/yr)	Cost Analysis
BMP_tot_cost	Double	BMP total cost as specified in Cost Analysis in dollars	Cost Analysis

BMP – Best management practice, NRCS – Natural Resources Conservation Service

Table 22 Attribute table for table_BA_BMP_All_Catchment

table_BA_BMP_All_Catchment			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Benefits Analysis > Attach to Catchments
FULL_BMP_ID	Text	Unique whole number ID created by combining BMP ID, catchment ID, treatment group code, and NRCS_code; BMP_ID "_" catch_ID "_" grp_code "_" NRCS_code	Benefits Analysis > Attach to Catchments
wtsArea_ft	Double	Watershed area of BMP in sq-ft	Benefits Analysis > Attach to Catchments
BMP_ID	Long Integer	Unique whole number ID created by combining treatment group code, catchment ID, and treatment group ID.	Benefits Analysis > Attach to Catchments

table_BA_BMP_All_Catchment			
Field Name	**Data Type**	**Description**	**Processed in**
catch_ID	Long Integer	Catchment ID BMP is within	Benefits Analysis > Attach to Catchments
unq_BMP_ID	Text	Unique whole number ID created by combining BMP ID, catchment ID, and treatment group code; BMP_ID "_" catch_ID "_" grp_code. These unique ID numbers represent new BMP IDs summarized at the catchment level for average 'like' BMPs within the catchment. These ID are not associated with bmp_table_all and bmp_table_load_red, or the feature class attributes.	Benefits Analysis > Attach to Catchments
grp_code	Short Integer	BMP treatment group code (1 = storage, 2 = filtration, 3 = biofiltration, 4 = infiltration, 5 = protection, 6 = source reduction)	Benefits Analysis > Attach to Catchments
NRCS_code	Text	BMP NRCS code (327 = Perennial Crops, 329 = No till, 340 = Cover Crops, 342 = Critical Area Planting, 345 = Reduced till, 350 = Infiltration Trench/Small Infiltration Basin, 378 = Farm Pond/Wetland, 390 = Riparian Buffer, 393 = Filtration Strip, 410 = Grade Stabilization, 412 = Grassed Waterway, 512 = Prescribed Grazing, 528 = Forage / Biomass Planting, 554 = Drainage Water Management, 580 = Lake and Wetland Shoreline Restoration, 582 = Multi-stage Ditch (open channel), 590_1 = Nutrient Management of Groundwater, 590_2 = Nutrient Management for Phosphorus, 590_3 = Nutrient Management for Nitrogen, 604 = Saturated Buffer, 605 = Denitrifying Bioreactor, 638 = Water and Sediment Control Basin, 656_1 = Large Wetland Restoration, and 656_2 = Regional Wetland/Pond)	Benefits Analysis > Attach to Catchments
Shape_Area	Double	Area of feature in internal units squared	Benefits Analysis > Attach to Catchments

table_BA_BMP_All_Catchment			
Field Name	**Data Type**	**Description**	**Processed in**
T_Volume	Double	Volume of water treated by the BMP in cubic feet (grp_code = 1, 4), or velocity of water treated by the BMP in ft/sec (grp_code = 2, 3). Not calculated for BMPs with grp_code = 5 or 6.	Benefits Analysis > Attach to Catchments
theacres	Float	BMP practice area (acres)	Benefits Analysis > Attach to Catchments
SECTION	Long Integer	PLSS Section number	Benefits Analysis > Attach to Catchments
TOWNSHIP	Long Integer	PLSS Township number	Benefits Analysis > Attach to Catchments
RANGE	Long Integer	PLSS Range number	Benefits Analysis > Attach to Catchments
p_res_catch_ID	Long Integer	Unique whole number ID for priority resource catchment	Benefits Analysis > Attach to Catchments
R_SQ2_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at the catchment outlet based upon median (Q2) effectiveness	Benefits Analysis > Attach to Catchments
R_SQ1_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at the catchment outlet based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Attach to Catchments

table_BA_BMP_All_Catchment			
Field Name	**Data Type**	**Description**	**Processed in**
R_SQ3_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at the catchment outlet based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Attach to Catchments
R_SQmin_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at the catchment outlet based upon minimum effectiveness	Benefits Analysis > Attach to Catchments
R_SQmax_10	Double	BMP sediment reduction (tons) from 10 year, 24-hour event at the catchment outlet based upon maximum effectiveness	Benefits Analysis > Attach to Catchments
R_PQ2_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon median (Q2) effectiveness	Benefits Analysis > Attach to Catchments
R_PQ1_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Attach to Catchments
R_PQ3_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Attach to Catchments
R_PQmin_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon minimum effectiveness	Benefits Analysis > Attach to Catchments
R_PQmax_10	Double	BMP total phosphorus reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon maximum effectiveness	Benefits Analysis > Attach to Catchments

table_BA_BMP_All_Catchment			
Field Name	**Data Type**	**Description**	**Processed in**
R_NQ2_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon median (Q2) effectiveness	Benefits Analysis > Attach to Catchments
R_NQ1_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Attach to Catchments
R_NQ3_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Attach to Catchments
R_NQmin_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon minimum effectiveness	Benefits Analysis > Attach to Catchments
R_NQmax_10	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon maximum effectiveness	Benefits Analysis > Attach to Catchments
R_SQ2_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at the catchment outlet based upon median (Q2) effectiveness	Benefits Analysis > Attach to Catchments
R_SQ1_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at the catchment outlet based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Attach to Catchments
R_SQ3_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at the catchment outlet based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Attach to Catchments

table_BA_BMP_All_Catchment			
Field Name	**Data Type**	**Description**	**Processed in**
R_SQmin_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at the catchment outlet based upon minimum effectiveness	Benefits Analysis > Attach to Catchments
R_SQmax_02	Double	BMP sediment reduction (tons) from 2-year, 24-hour event at the catchment outlet based upon maximum effectiveness	Benefits Analysis > Attach to Catchments
R_PQ2_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon median (Q2) effectiveness	Benefits Analysis > Attach to Catchments
R_PQ1_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Attach to Catchments
R_PQ3_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Attach to Catchments
R_PQmin_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon minimum effectiveness	Benefits Analysis > Attach to Catchments
R_PQmax_02	Double	BMP total phosphorus reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon maximum effectiveness	Benefits Analysis > Attach to Catchments
R_NQ2_02	Double	BMP total nitrogen reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon median (Q2) effectiveness	Benefits Analysis > Attach to Catchments

table_BA_BMP_All_Catchment			
Field Name	**Data Type**	**Description**	**Processed in**
R_NQ1_02	Double	BMP total nitrogen reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon lower bound quartile range (Q1) effectiveness	Benefits Analysis > Attach to Catchments
R_NQ3_02	Double	BMP total nitrogen reduction (pounds) from 2-year, 24-hour event at the catchment outlet based upon upper bound quartile range (Q3) effectiveness	Benefits Analysis > Attach to Catchments
R_NQmin_02	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon minimum effectiveness	Benefits Analysis > Attach to Catchments
R_NQmax_02	Double	BMP total nitrogen reduction (pounds) from 10 year, 24-hour event at the catchment outlet based upon maximum effectiveness	Benefits Analysis > Attach to Catchments

BMP – Best management practice, NRCS – Natural Resources Conservation Service, PLSS – Public land survey system

Table 23 Attribute table for table_ca_bmp_costeff

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
FULL_BMP_ID	Text	Unique whole number ID created by combining BMP ID, catchment ID, treatment group code, and NRCS_code; BMP_ID "_" catch_ID "_" grp_code "_" NRCS_code. These unique ID numbers represent new BMP IDs summarized at the catchment level for average 'like' BMPs within the catchment. These ID are not associated with bmp_table_all and bmp_table_load_red, or the feature class attributes.	Cost Analysis
wtsArea_ft	Double	watershed area of BMP in sq-ft	Cost Analysis
BMP_ID	Long Integer	Unique whole number ID created by combining treatment group code, catchment ID, and treatment group ID.	Cost Analysis
catch_ID	Long Integer	Unique whole number ID for catchment	Cost Analysis
unq_BMP_ID	Text	Unique whole number ID created by combining BMP ID, catchment ID, and treatment group code; BMP_ID "_" catch_ID "_" grp_code	Cost Analysis
grp_code	Short Integer	BMP treatment group code (1 = storage, 2 = filtration, 3 = biofiltration, 4 = infiltration, 5 = protection, 6 = source reduction)	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
NRCS_code	Text	BMP NRCS code (327 = Perennial Crops, 329 = No till, 340 = Cover Crops, 342 = Critical Area Planting, 345 = Reduced till, 350 = Infiltration Trench/Small Infiltration Basin, 378 = Farm Pond/Wetland, 390 = Riparian Buffer, 393 = Filtration Strip, 410 = Grade Stabilization, 412 = Grassed Waterway, 512 = Prescribed Grazing, 528 = Forage / Biomass Planting, 554 = Drainage Water Management, 580 = Lake and Wetland Shoreline Restoration, 582 = Multi-stage Ditch (open channel), 590_1 = Nutrient Management of Groundwater, 590_2 = Nutrient Management for Phosphorus, 590_3 = Nutrient Management for Nitrogen, 604 = Saturated Buffer, 605 = Denitrifying Bioreactor, 638 = Water and Sediment Control Basin, 656_1 = Large Wetland Restoration, and 656_2 = Regional Wetland/Pond)	Cost Analysis
theacres	Float	BMP area in acres	Cost Analysis
p_res_catch_ID	Long Integer	Unique whole number ID for priority resource catchment	Cost Analysis
BMP_area_AC	Double	BMP practice area (acres)	Cost Analysis
BMP_tot_cost	Double	BMP total cost as specified in Cost Analysis in dollars	Cost Analysis
CI_SQ2_10	Double	BMP cost index for sediment reduction (BMP cost/ton reduced) from 10 year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
CI_SQ1_10	Double	BMP cost index for sediment reduction (BMP cost/ton reduced) from 10 year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
CI_SQ3_10	Double	BMP cost index for sediment reduction (BMP cost/ton reduced) from 10 year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
CI_SQmin_10	Double	BMP cost index for sediment reduction (BMP cost/ton reduced) from 10 year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
CI_SQmax_10	Double	BMP cost index for sediment reduction (BMP cost/ton reduced) from 10 year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
CI_PQ2_10	Double	BMP cost index for total phosphorus reduction (BMP cost/lb. reduced) from 10 year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
CI_PQ1_10	Double	BMP cost index for total phosphorus reduction (BMP cost/lb. reduced) from 10 year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
CI_PQ3_10	Double	BMP cost index for total phosphorus reduction (BMP cost/lb. reduced) from 10 year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
CI_PQmin_10	Double	BMP cost index for total phosphorus reduction (BMP cost/lb. reduced) from 10 year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
CI_PQmax_10	Double	BMP cost index for total phosphorus reduction (BMP cost/lb. reduced) from 10 year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
CI_NQ2_10	Double	BMP cost index for total nitrogen reduction (BMP cost/lb. reduced) from 10 year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
CI_NQ1_10	Double	BMP cost index for total nitrogen reduction (BMP cost/lb. reduced) from 10 year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
CI_NQ3_10	Double	BMP cost index for total nitrogen reduction (BMP cost/lb. reduced) from 10 year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
CI_NQmin_10	Double	BMP cost index for total nitrogen reduction (BMP cost/lb. reduced) from 10 year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
CI_NQmax_10	Double	BMP cost index for total nitrogen reduction (BMP cost/lb. reduced) from 10 year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
CI_SQ2_02	Double	BMP cost index for sediment reduction (BMP cost/ton reduced) from 2-year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
CI_SQ1_02	Double	BMP cost index for sediment reduction (BMP cost/ton reduced) from 2-year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
CI_SQ3_02	Double	BMP cost index for sediment reduction (BMP cost/ton reduced) from 2-year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
CI_SQmin_02	Double	BMP cost index for sediment reduction (BMP cost/ton reduced) from 2-year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
CI_SQmax_02	Double	BMP cost index for sediment reduction (BMP cost/ton reduced) from 2-year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
CI_PQ2_02	Double	BMP cost index for total phosphorus reduction (BMP cost/lb. reduced) from 2-year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
CI_PQ1_02	Double	BMP cost index for total phosphorus reduction (BMP cost/lb. reduced) from 2-year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
CI_PQ3_02	Double	BMP cost index for total phosphorus reduction (BMP cost/lb. reduced) from 2-year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
CI_PQmin_02	Double	BMP cost index for total phosphorus reduction (BMP cost/lb. reduced) from 2-year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
CI_PQmax_02	Double	BMP cost index for total phosphorus reduction (BMP cost/lb. reduced) from 2-year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
CI_NQ2_02	Double	BMP cost index for total nitrogen reduction (BMP cost/lb. reduced) from 2-year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
CI_NQ1_02	Double	BMP cost index for total nitrogen reduction (BMP cost/lb. reduced) from 2-year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
CI_NQ3_02	Double	BMP cost index for total nitrogen reduction (BMP cost/lb. reduced) from 2-year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
CI_NQmin_02	Double	BMP cost index for total nitrogen reduction (BMP cost/lb. reduced) from 2-year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
CI_NQmax_02	Double	BMP cost index for total nitrogen reduction (BMP cost/lb. reduced) from 2-year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
Rk_SQ2_10	Double	Rank of BMP sediment reduction by BMP type from 10 year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
Rk_SQ1_10	Double	Rank of BMP sediment reduction by BMP type from 10 year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
Rk_SQ3_10	Double	Rank of BMP sediment reduction by BMP type from 10 year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
Rk_SQmin_10	Double	Rank of BMP sediment reduction by BMP type from 10 year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
Rk_SQmax_10	Double	Rank of BMP sediment reduction by BMP type from 10 year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
Rk_PQ2_10	Double	Rank of BMP total phosphorus reduction by BMP type from 10 year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
Rk_PQ1_10	Double	Rank of BMP total phosphorus reduction by BMP type from 10 year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
Rk_PQ3_10	Double	Rank of BMP total phosphorus reduction by BMP type from 10 year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
Rk_PQmin_10	Double	Rank of BMP total phosphorus reduction by BMP type from 10 year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
Rk_PQmax_10	Double	Rank of BMP total phosphorus reduction by BMP type from 10 year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
Rk_NQ2_10	Double	Rank of BMP total nitrogen reduction by BMP type from 10 year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
Rk_NQ1_10	Double	Rank of BMP total nitrogen reduction by BMP type from 10 year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
Rk_NQ3_10	Double	Rank of BMP total nitrogen reduction by BMP type from 10 year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
Rk_NQmin_10	Double	Rank of BMP total nitrogen reduction by BMP type from 10 year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
Rk_NQmax_10	Double	Rank of BMP total nitrogen reduction by BMP type from 10 year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
Rk_SQ2_02	Double	Rank of BMP sediment reduction by BMP type from 2-year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
Rk_SQ1_02	Double	Rank of BMP sediment reduction by BMP type from 2-year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
Rk_SQ3_02	Double	Rank of BMP sediment reduction by BMP type from 2-year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
Rk_SQmin_02	Double	Rank of BMP sediment reduction by BMP type from 2-year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
Rk_SQmax_02	Double	Rank of BMP sediment reduction by BMP type from 2-year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
Rk_PQ2_02	Double	Rank of BMP total phosphorus reduction by BMP type from 2-year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
Rk_PQ1_02	Double	Rank of BMP total phosphorus reduction by BMP type from 2-year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
Rk_PQ3_02	Double	Rank of BMP total phosphorus reduction by BMP type from 2-year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
Rk_PQmin_02	Double	Rank of BMP total phosphorus reduction by BMP type from 2-year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
Rk_PQmax_02	Double	Rank of BMP total phosphorus reduction by BMP type from 2-year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
Rk_NQ2_02	Double	Rank of BMP total nitrogen reduction by BMP type from 2-year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
Rk_NQ1_02	Double	Rank of BMP total nitrogen reduction by BMP type from 2-year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
Rk_NQ3_02	Double	Rank of BMP total nitrogen reduction by BMP type from 2-year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
Rk_NQmin_02	Double	Rank of BMP total nitrogen reduction by BMP type from 2-year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
Rk_NQmax_02	Double	Rank of BMP total nitrogen reduction by BMP type from 2-year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
TL_SQ2_10	Double	Running sum of sediment treated load (tons) based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
TL_SQ1_10	Double	Running sum of sediment treated load (tons) based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
TL_SQ3_10	Double	Running sum of sediment treated load (tons) based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
TL_SQmin_10	Double	Running sum of sediment treated load (tons) based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
TL_SQmax_10	Double	Running sum of sediment treated load (tons) based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
TL_PQ2_10	Double	Running sum of total phosphorus treated load (lbs) based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
TL_PQ1_10	Double	Running sum of total phosphorus treated load (lbs) based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
TL_PQ3_10	Double	Running sum of total phosphorus treated load (lbs) based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
TL_PQmin_10	Double	Running sum of total phosphorus treated load (lbs) based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
TL_PQmax_10	Double	Running sum of total phosphorus treated load (lbs) based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
TL_NQ2_10	Double	Running sum of total nitrogen treated load (lbs) based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
TL_NQ1_10	Double	Running sum of total nitrogen treated load (lbs) based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
TL_NQ3_10	Double	Running sum of total nitrogen treated load (lbs) based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
TL_NQmin_10	Double	Running sum of total nitrogen treated load (lbs) based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
TL_NQmax_10	Double	Running sum of total nitrogen treated load (lbs) based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
TL_SQ2_02	Double	Running sum of sediment treated load (tons) based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
TL_SQ1_02	Double	Running sum of sediment treated load (tons) based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
TL_SQ3_02	Double	Running sum of sediment treated load (tons) based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
TL_SQmin_02	Double	Running sum of sediment treated load (tons) based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
TL_SQmax_02	Double	Running sum of sediment treated load (tons) based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
TL_PQ2_02	Double	Running sum of total phosphorus treated load (lbs) based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
TL_PQ1_02	Double	Running sum of total phosphorus treated load (lbs) based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
TL_PQ3_02	Double	Running sum of total phosphorus treated load (lbs) based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
TL_PQmin_02	Double	Running sum of total phosphorus treated load (lbs) based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
TL_PQmax_02	Double	Running sum of total phosphorus treated load (lbs) based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
TL_NQ2_02	Double	Running sum of total nitrogen treated load (lbs) based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
TL_NQ1_02	Double	Running sum of total nitrogen treated load (lbs) based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
TL_NQ3_02	Double	Running sum of total nitrogen treated load (lbs) based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
TL_NQmin_02	Double	Running sum of total nitrogen treated load (lbs) based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
TL_NQmax_02	Double	Running sum of total nitrogen treated load (lbs) based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
Cst_SQ2_10	Double	Running sum of BMP cost for sediment treated loads based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
Cst_SQ1_10	Double	Running sum of BMP cost for sediment treated loads based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
Cst_SQ3_10	Double	Running sum of BMP cost for sediment treated loads based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
Cst_SQmin_10	Double	Running sum of BMP cost for sediment treated loads based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
Cst_SQmax_10	Double	Running sum of BMP cost for sediment treated loads based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
Cst_PQ2_10	Double	Running sum of BMP cost for total phosphorus treated loads based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
Cst_PQ1_10	Double	Running sum of BMP cost for total phosphorus treated loads based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
Cst_PQ3_10	Double	Running sum of BMP cost for total phosphorus treated loads based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
Cst_PQmin_10	Double	Running sum of BMP cost for total phosphorus treated loads based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
Cst_PQmax_10	Double	Running sum of BMP cost for total phosphorus treated loads based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
Cst_NQ2_10	Double	Running sum of BMP cost for total nitrogen treated loads based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
Cst_NQ1_10	Double	Running sum of BMP cost for total nitrogen treated loads based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
Cst_NQ3_10	Double	Running sum of BMP cost for total nitrogen treated loads based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
Cst_NQmin_10	Double	Running sum of BMP cost for total nitrogen treated loads based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
Cst_NQmax_10	Double	Running sum of BMP cost for total nitrogen treated loads based on rank and treatment (BMP) type from 10 year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
Cst_SQ2_02	Double	Running sum of BMP cost for sediment treated loads based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
Cst_SQ1_02	Double	Running sum of BMP cost for sediment treated loads based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
Cst_SQ3_02	Double	Running sum of BMP cost for sediment treated loads based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
Cst_SQmin_02	Double	Running sum of BMP cost for sediment treated loads based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
Cst_SQmax_02	Double	Running sum of BMP cost for sediment treated loads based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
Cst_PQ2_02	Double	Running sum of BMP cost for total phosphorus treated loads based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
Cst_PQ1_02	Double	Running sum of BMP cost for total phosphorus treated loads based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
Cst_PQ3_02	Double	Running sum of BMP cost for total phosphorus treated loads based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis
Cst_PQmin_02	Double	Running sum of BMP cost for total phosphorus treated loads based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
Cst_PQmax_02	Double	Running sum of BMP cost for total phosphorus treated loads based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis
Cst_NQ2_02	Double	Running sum of BMP cost for total nitrogen treated loads based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon median (Q2) effectiveness	Cost Analysis
Cst_NQ1_02	Double	Running sum of BMP cost for total nitrogen treated loads based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon lower bound quartile range (Q1) effectiveness	Cost Analysis
Cst_NQ3_02	Double	Running sum of BMP cost for total nitrogen treated loads based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon upper bound quartile range (Q3) effectiveness	Cost Analysis

table_ca_bmp_costeff			
Field Name	**Data Type**	**Description**	**Processed in**
Cst_NQmin_02	Double	Running sum of BMP cost for total nitrogen treated loads based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon minimum effectiveness	Cost Analysis
Cst_NQmax_02	Double	Running sum of BMP cost for total nitrogen treated loads based on rank and treatment (BMP) type from 2-year, 24-hour event at a given priority resource point based upon maximum effectiveness	Cost Analysis

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Table 24 Attribute table for table_treat_train_catch

table_treat_train_catch			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Benefits Analysis > Treatment Trains
catch_ID	Long Integer	Unique whole number ID for catchment	Benefits Analysis > Treatment Trains
Lrem_C_SQ2_10	Float	Sediment load (tons) remaining at catchment outlet from 10 year, 24-hour event considering median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains

table_treat_train_catch			
Field Name	**Data Type**	**Description**	**Processed in**
Lrem_C_SQ2_2	Float	Sediment load (tons) remaining at catchment outlet from 2-year, 24-hour event considering median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lrem_C_PQ2_10	Float	Total phosphorus load (lbs) remaining at catchment outlet from 10 year, 24-hour event considering median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lrem_C_PQ2_2	Float	Total phosphorus load (lbs) remaining at catchment outlet from 2-year, 24-hour event considering median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lrem_C_NQ2_10	Float	Total nitrogen load (lbs) remaining at catchment outlet from 10 year, 24-hour event considering median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lrem_C_NQ2_2	Float	Total nitrogen load (lbs) remaining at catchment outlet from 2-year, 24-hour event considering median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lred_C_SQ2_10	Float	BMP sediment reduction (tons) at the catchment outlet from 10 year, 24-hour event based upon median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lred_C_SQ2_2	Float	BMP sediment reduction (tons) at the catchment outlet from 2-year, 24-hour event based upon median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains

table_treat_train_catch			
Field Name	**Data Type**	**Description**	**Processed in**
Lred_C_PQ2_10	Float	BMP total phosphorus reduction (lbs) at the catchment outlet from 10 year, 24-hour event based upon median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lred_C_PQ2_2	Float	BMP total phosphorus reduction (lbs) at the catchment outlet from 2-year, 24-hour event based upon median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lred_C_NQ2_10	Float	BMP total nitrogen reduction (lbs) at the catchment outlet from 10 year, 24-hour event based upon median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lred_C_NQ2_2	Float	BMP total nitrogen reduction (lbs) at the catchment outlet from 2-year, 24-hour event based upon median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
p_res_catch_ID	Long	The p_res_catch_ID that the catchment drains into.	Benefits Analysis > Treatment Trains

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Table 25 Attribute table for table_treat_train_p_res

table_treat_train_p_res			
Field Name	**Data Type**	**Description**	**Processed in**
OBJECTID	Object ID	Internal feature number	Benefits Analysis > Treatment Trains
catch_ID	Long Integer	Unique whole number ID for catchment	Benefits Analysis > Treatment Trains
Lrem_R_SQ2_10	Float	Sediment load (tons) remaining at a given priority resource point from 10 year, 24-hour event considering median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lrem_R_SQ2_2	Float	Sediment load (tons) remaining at a given priority resource point from 2-year, 24-hour event considering median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lrem_R_PQ2_10	Float	Total phosphorus load (lbs) remaining at a given priority resource point from 10 year, 24-hour event considering median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lrem_R_PQ2_2	Float	Total phosphorus load (lbs) remaining at a given priority resource point from 2-year, 24-hour event considering median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lrem_R_NQ2_10	Float	Total nitrogen load (lbs) remaining at a given priority resource point from 10 year, 24-hour event considering median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains

table_treat_train_p_res			
Field Name	**Data Type**	**Description**	**Processed in**
Lrem_R_NQ2_2	Float	Total nitrogen load (lbs) remaining at a given priority resource point from 2-year, 24-hour event considering median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lred_R_SQ2_10	Float	BMP sediment reduction (tons) at a given priority resource point from 10 year, 24-hour event based upon median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lred_R_SQ2_2	Float	BMP sediment reduction (tons) at a given priority resource point from 2-year, 24-hour event based upon median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lred_R_PQ2_10	Float	BMP total phosphorus reduction (lbs) at a given priority resource point from 10 year, 24-hour event based upon median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lred_R_PQ2_2	Float	BMP total phosphorus reduction (lbs) at a given priority resource point from 2-year, 24-hour event based upon median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lred_R_NQ2_10	Float	BMP total nitrogen reduction (lbs) at a given priority resource point from 10 year, 24-hour event based upon median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains
Lred_R_NQ2_2	Float	BMP total nitrogen reduction (lbs) at a given priority resource point from 2-year, 24-hour event based upon median (Q2) effectiveness of BMPs in user-defined shapefile	Benefits Analysis > Treatment Trains

table_treat_train_p_res			
Field Name	**Data Type**	**Description**	**Processed in**
p_res_catch_ID	Long Integer	Unique whole number ID for priority resource catchment	Benefits Analysis > Treatment Trains

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