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DASHBOARD TECHNICAL SPECIFICATIONS

HSE Analytics

Water Dashboards: Technical Specification Document

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Water Dashboards: Technical Specification Document

BC short term approvals

Tab: BC short term approvals summary

Datasets: Singleton value

Volume per day approval: Total volume approved to use on a daily basis for client companies

Extract volume: Total volume used by client companies out of total approved one

Total volume approval: Total volume approved to use for client companies

Client Name: Count of unique client companies involved

Water Source: Count of unique water sources used

Singleton value: Mapping table

Data set items	Database column
Volume per day approval	[BC_Short_term_approvals].[VOL_PER_DAY_APPROVAL]
Extract volume	[BC_Short_term_approvals].[EXTRACT_VOLUME]
Total Volume Approval	[BC_Short_term_approvals].[Total_Volume_Approval]
Client Name	[BC_Short_term_approvals].[CLIENT_NAME]
Water Source	[BC_Short_term_approvals].[WATER_SOURCE]

Datasets: Bar chart

Total volume approval by water source: Total volume approved to use categorized by water sources

Total volume approval by water source 1: Total volume approved to use categorized by sub-water sources

Bar Chart: Mapping table

Data set items	Database column
Water Source	[BC_Short_term_approvals].[WATER_SOURCE]
Total Volume Approval	[BC_Short_term_approvals].[Total_Volume_Approval]
Water Source 1	[BC_Short_term_approvals].[WATER_SO_1]

Datasets: Heatmap

Total volume approval by client name: Total volume approved to use categorized by client companies

Heatmap: Mapping table

Data set items	Database column
Client Name	[BC_Short_term_approvals].[CLIENT_NAME]
Total Volume Approval	[BC_Short_term_approvals].[Total_Volume_Approval]

Water Dashboards: Technical Specification Document

BC water licenses

Tab: BC water licenses

Datasets: Singleton value

Volume per day approval: Total volume approved to use on a daily basis for client companies

Extract volume: Total volume used by client companies out of total approved one

Total volume approval: Total volume approved to use for client companies

Client Name: Count of unique client companies involved

Water Source: Count of unique water sources used

Singleton value: Mapping table

Data set items	Database column
Total Volume Approval	[BC_Water_Licenses].[Total_Volume_Approval]
Volume Per Day Approval	[BC_Water_Licenses].[VOL_PER_DAY_APPROVAL]
Extract Volume	[BC_Water_Licenses].[EXTRACT_VOLUME]
Water Source	[BC_Water_Licenses].[WATER_SOUR]
Client Name	[BC_Water_Licenses].[CLIENT_NAM]

Datasets: Heatmap

Total volume approval by client name: Total volume approved to use categorized by client companies

Heatmap: Mapping table

Data set items	Database column
Total Volume Approval	[BC_Water_Licenses].[Total_Volume_Approval]
Client Name	[BC_Water_Licenses].[CLIENT_NAM]

Datasets: Bar chart

Total volume approval by water source: Total volume approved to use categorized by water sources

Total volume approval by water source 1: Total volume approved to use categorized by sub-water sources

Bar Chart: Mapping table

Data set items	Database column
Total Volume Approval	[BC_Water_Licenses].[Total_Volume_Approval]
Water Source	[BC_Water_Licenses].[WATER_SOUR]
Water Source 1	[BC_Water_Licenses].[WATER_SO_1]

Water Dashboards: Technical Specification Document

BCOGC combined dashboard

Tab: Gas production summary

Datasets: Singleton value

Gas production volume: Total volume of gas produced in E3m3 unit

Gas production cumulative volume: Cumulative sum of total volume of gas produced in E3m3 unit

Singleton value: Mapping table

Data set items	Database column
Gas Production Volume	[BCOGC_Production].[Gas_prod_vol(e3m3)]
Gas Production Cumulative Volume	[BCOGC_Production].[Gas_prod_cum(e3m3)]

Datasets: Heatmap

Well area name by gas production volume: Total volume of gas produced in e3m3 unit by each Well area

Heatmap: Mapping table

Data set items	Database column
Well Area Name	[BCOGC_Wells].[Well Area Name]
Gas Production Volume	[BCOGC_Production].[Gas_prod_vol(e3m3)]

Datasets: Bar chart

Client name by gas production volume: Total volume of gas produced in e3m3 unit by client companies

Operator abbreviation by gas production volume: Total volume of gas produced in e3m3 unit by operator companies

Bar Chart: Mapping table

Data set items	Database column
Gas Production Volume	[BCOGC_Production].[Gas_prod_vol(e3m3)]
Client Name	[BCOGC_Clients].[Client Name]
Operator Abbreviation	[BCOGC_Wells].[Oper Abbrev]

Water Dashboards: Technical Specification Document

Tab: Oil production summary

Datasets: Singleton value

Oil production volume: Total volume of oil produced in m3 unit

Oil production cumulative volume: Cumulative sum of total volume of oil produced in m3 unit

Singleton value: Mapping table

Data set items	Database column
Oil Production Volume	[BCOGC_Production].[Oil_prod_vol(m3)]
Oil Production Cumulative Volume	[BCOGC_Production].[Oil_prod_cum(m3)]

Datasets: Heatmap

Well area name by oil production volume: Total volume of oil produced in m3 unit by each Well area

Heatmap: Mapping table

Data set items	Database column
Oil Production Volume	[BCOGC_Production].[Oil_prod_vol(m3)]
Well Area Name	[BCOGC_Wells].[Well Area Name]

Datasets: Bar chart

Client name by oil production volume: Total volume of oil produced in m3 unit by client companies

Operator abbreviation by oil production volume: Total volume of oil produced in m3 unit by operator companies

Bar Chart: Mapping table

Data set items	Database column
Oil Production Volume	[BCOGC_Production].[Oil_prod_vol(m3)]
Client Name	[BCOGC_Clients].[Client Name]
Operator Abbreviation	[BCOGC_Wells].[Oper Abbrev]

Water Dashboards: Technical Specification Document

Tab: Water production summary

Datasets: Singleton value

Water production volume: Total volume of water produced in m3 unit

Water production cumulative volume: Cumulative sum of total volume of water produced in m3 unit

Singleton value: Mapping table

Data set items	Database column
Water Production Volume	[BCOGC_Production].[Water_prod_vol(m3)]
Water Production Cumulative Volume	[BCOGC_Production].[Water_prod_cum(m3)]

Datasets: Heatmap

Well area name by water production volume: Total volume of water produced in m3 unit by each Well area

Heatmap: Mapping table

Data set items	Database column
Water Production Volume	[BCOGC_Production].[Water_prod_vol(m3)]
Well Area Name	[BCOGC_Wells].[Well Area Name]

Datasets: Bar chart

Client name by water production volume: Total volume of water produced in m3 unit by client companies

Operator abbreviation by water production volume: Total volume of water produced in m3 unit by operator companies

Bar Chart: Mapping table

Data set items	Database column
Water Production Volume	[BCOGC_Production].[Water_prod_vol(m3)]
Client Name	[BCOGC_Clients].[Client Name]
Operator Abbreviation	[BCOGC_Wells].[Oper Abbrev]

Water Dashboards: Technical Specification Document

Tab: Condensate production summary

Datasets: Singleton value

Condensate production volume: Total volume of condensate produced in m3 unit

Condensate production cumulative volume: Cumulative sum of total volume of condensate produced in m3 unit

Singleton value: Mapping table

Data set items	Database column
Condensate Production Volume	[BCOGC_Production].[Cond_prod_vol(m3)]
Condensate Production Cumulative Volume	[BCOGC_Production].[Cond_prod_cum(m3)]

Datasets: Heatmap

Well area name by condensate production volume: Total volume of condensate produced in m3 unit by each Well area

Heatmap: Mapping table

Data set items	Database column
Condensate Production Volume	[BCOGC_Production].[Cond_prod_vol(m3)]
Well Area Name	[BCOGC_Wells].[Well Area Name]

Datasets: Bar chart

Client name by condensate production volume: Total volume of condensate produced in m3 unit by client companies

Operator abbreviation by condensate production volume: Total volume of condensate produced in m3 unit by operator companies

Bar Chart: Mapping table

Data set items	Database column
Condensate Production Volume	[BCOGC_Production].[Cond_prod_vol(m3)]
Client Name	[BCOGC_Clients].[Client Name]
Operator Abbreviation	[BCOGC_Wells].[Oper Abbrev]

Water Dashboards: Technical Specification Document

Manitoba water production

Tab: Manitoba oil summary

Datasets: Singleton value

Oil production volume: Total volume of oil produced in Manitoba in m3 unit

Singleton value: Mapping table

Data set items	Database column
Total Oil (m3)	[Manitoba_Water_Production].[Oil_m3]

Datasets: Bar chart

Oil m3 by CAPP member name: Total volume of oil produced (in m3) by CAPP member companies

Oil m3 by province: Total volume of oil produced (in m3) by provinces

Oil m3 by year: Total volume of oil produced (in m3) year wise

Oil m3 by field: Total volume of oil produced (in m3) by fields

Oil m3 by reservoir: Total volume of oil produced (in m3) by reservoirs

Bar Chart: Mapping table

Data set items	Database column
Oil m3	[Manitoba_Water_Production].[Oil_m3]
CAPP Member Name	[Manitoba_Water_Production].[Capp_Member_Name]
Province	[Manitoba_Water_Production].[Province]
Year	[Manitoba_Water_Production].[Yr]
Field	[Manitoba_Water_Production].[Field]
Reservoir	[Manitoba_Water_Production].[Reservoir]

Water Dashboards: Technical Specification Document

Tab: Manitoba water summary

Datasets: Singleton value

Water production volume: Total volume of water produced in Manitoba in m3 unit

Singleton value: Mapping table

Data set items	Database column
Total Water (m3)	[Manitoba_Water_Production].[Water_m3]

Datasets: Bar chart

Water m3 by CAPP member name: Total volume of water produced (in m3) by CAPP member companies

Water m3 by province: Total volume of water produced (in m3) by provinces

Water m3 by year: Total volume of water produced (in m3) year wise

Water m3 by field: Total volume of water produced (in m3) by fields

Water m3 by reservoir: Total volume of water produced (in m3) by reservoirs

Bar Chart: Mapping table

Data set items	Database column
Water m3	[Manitoba_Water_Production].[Water_m3]
CAPP Member Name	[Manitoba_Water_Production].[Capp_Member_Name]
Province	[Manitoba_Water_Production].[Province]
Year	[Manitoba_Water_Production].[Yr]
Field	[Manitoba_Water_Production].[Field]
Reservoir	[Manitoba_Water_Production].[Reservoir]

Water Dashboards: Technical Specification Document

Tab: Manitoba gas summary

Datasets: Singleton value

Gas production volume: Total volume of gas produced in Manitoba in em3 unit

Singleton value: Mapping table

Data set items	Database column
Total Gas (em3)	[Manitoba_Water_Production].[Gas_em3]

Datasets: Bar chart

Gas em3 by CAPP member name: Total volume of gas produced (in em3) by CAPP member companies

Gas em3 by province: Total volume of gas produced (in em3) by provinces

Gas em3 by year: Total volume of gas produced (in em3) year wise

Gas em3 by field: Total volume of gas produced (in em3) by fields

Gas em3 by reservoir: Total volume of gas produced (in em3) by reservoirs

Bar Chart: Mapping table

Data set items	Database column
Gas em3	[Manitoba_Water_Production].[Gas_em3]
CAPP Member Name	[Manitoba_Water_Production].[Capp_Member_Name]
Province	[Manitoba_Water_Production].[Province]
Year	[Manitoba_Water_Production].[Yr]
Field	[Manitoba_Water_Production].[Field]
Reservoir	[Manitoba_Water_Production].[Reservoir]

Water Dashboards: Technical Specification Document

MB well counts

Tab: MB well counts summary

Datasets: Singleton value

Number of units (wells): Total sum of well units in Manitoba Province

Singleton value: Mapping table

Data set items	Database column
Number of units (wells)	[MB_Well_Counts].[UNIT]

Datasets: Bar chart

Company by number of units: Number of well units by companies in Manitoba

Current status by number of units: Number of well units by their current status

Deviation by number of units: Number of well units by their deviation type like vertical, horizontal etc.

UWI status by number of units: Number of well units by their unique well identifier (UWI) status

Mineral rights by number of units: Number of well units by their mineral rights

Bar Chart: Mapping table

Data set items	Database column
Number of units (wells)	[MB_Well_Counts].[UNIT]
Company	[MB_Well_Counts].[COMPANY]
Current Status	[MB_Well_Counts].[CURRENT STATUS]
Deviation	[MB_Well_Counts].[DEVIATION]
UWI Status	[MB_Well_Counts].[UWI STATUS]
Mineral Rights	[MB_Well_Counts].[MINERAL RIGHTS]

Water Dashboards: Technical Specification Document

Petrinex dashboard

Tab: Petrinex summary

Datasets: Singleton value

Total volume: Total production volume for AB & SK province

Total hours: Total production hours for AB & SK province

Total unique facility count: Total count of unique facilities

Total unique operator count: Total count of unique operators

Singleton value: Mapping table

Data set items	Database column
Total Volume	[Petrinex].[Volume]
Total Hours	[Petrinex].[Hours]
Total Unique Facility Count	[Petrinex].[Facility ID]
Total Unique Operator Count	[Petrinex].[Operator BA]

Datasets: Heatmap

Total production volume by operator: Total volume produced by each operator company in AB & SK province

Heatmap: Mapping table

Data set items	Database column
Total Production Volume	[Petrinex].[Volume]
Operator	[Petrinex].[Operator Name]

Datasets: Bar chart

Total production volume by province: Total volume produced by AB & SK province

Total production volume by facility name: Total volume produced by facilities

Bar Chart: Mapping table

Data set items	Database column
Total Production Volume	[Petrinex].[Volume]
Province	[Petrinex].[Province]
Facility Name	[Petrinex].[Facility Name]

Water Dashboards: Technical Specification Document

WSA water use temp license & term licenses

Tab: Allocation

Datasets: Singleton value

Total allocation for year 2015: Sum of total water allocated in year 2015

Singleton value: Mapping table

Data set items	Database column
Total allocation for year 2015	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[Alloc]

Datasets: Bar chart

Source description by allocation: Water allocation by source type

Purpose by allocation: Water allocation by purpose like Industrial, Irrigation etc.

WSA region by allocation: Water allocation by regions under Water Sustainability Act

WS name by allocation: Water allocation by Water Sustainability name

Contribution by allocation: Water allocation by contribution type

Bar Chart: Mapping table

Data set items	Database column
Allocation	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[Alloc]
Source Description	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[Source Desc]
Purpose	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[Purpose]
WSA Region	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[WSA Region]
WS Name	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[WS Name]
Contribution	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[Contrib]

Water Dashboards: Technical Specification Document

Tab: Use Dam3

Datasets: Singleton value

Total Use dam3 for year 2015: Sum of total water use (in dam3 unit) in year 2015

Singleton value: Mapping table

Data set items	Database column
Total Use Dam 3 for year 2015	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[Use Dam3]

Datasets: Bar chart

Source description by Use dam3: Water use (in dam3) distribution by source type

Purpose by Use Dam3: Water use (in dam3) distribution by purpose like Industrial, Irrigation etc.

WSA region by Use Dam3: Water use (in dam3) distribution by regions under Water Sustainability Act

WS name by Use Dam3: Water use (in dam3) distribution by Water Sustainability name

Contribution by Use Dam3: Water use (in dam3) distribution by contribution type

Bar Chart: Mapping table

Data set items	Database column
Use Dam 3	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[Use Dam3]
Source Description	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[Source Desc]
Purpose	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[Purpose]
WSA Region	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[WSA Region]
WS Name	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[WS Name]
Contribution	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[Contrib]

Water Dashboards: Technical Specification Document

WURS dashboard

Tab: WURS dashboard summary

Datasets: Singleton value

Total allocation volume (m3): Total volume of water allocated (in m3 unit)

Total allocation consumption (m3): Total volume of water consumed (in m3 unit)

Total allocation return flow (m3): Total volume of water return flow (in m3 unit)

Total allocation losses (m3): Total volume of water losses (in m3 unit)

Total div (m3): Value of total div (in m3 unit)

Singleton value: Mapping table

Data set items	Database column
Total Allocation Volume (m3)	[WURS data].[TOTAL_ALLOC_Vol_m3]
Total Allocation Consumption (m3)	[WURS data].[ALLOC_CONSUMPTION_m3]
Total Allocation Return Flow (m3)	[WURS data].[ALLOC_RET_FLOW_m3]
Total Allocation Losses (m3)	[WURS data].[ALLOC_LOSSES_m3]
Total Div (m3)	[WURS data].[Div_m3]

Datasets: Bar chart

Total allocation by water body name: Distribution of total water allocated volume (in m3) by water body

Allocation consumption by water body name: Distribution of total water consumed volume (in m3) by water body

Total allocation by locations: Distribution of total water allocated volume (in m3) by location type

Allocation consumption by locations: Distribution of total water consumed volume (in m3) by location type

Bar Chart: Mapping table

Data set items	Database column
Total Allocation	[WURS data].[TOTAL_ALLOC_Vol_m3]
Allocation Consumption	[WURS data].[ALLOC_CONSUMPTION_m3]
Water Body Name	[WURS data].[Water body name]
Locations	[WURS data].[LOCATION_TYPE]

Water Dashboards: Technical Specification Document

Datasets: Line chart

Total allocation by year: Distribution of total water allocated volume (in m3) year wise

Allocation consumption by year: Distribution of total water consumed volume (in m3) by year

Line Chart: Mapping table

Data set items	Database column
Total Allocation Volume	[WURS data].[TOTAL_ALLOC_Vol_m3]
Allocation Consumption	[WURS data].[ALLOC_CONSUMPTION_m3]
Year	[WURS data].[Year]

Water Dashboards: Technical Specification Document

All Sources

Tab: Source summary

Datasets: Singleton value

Petrinex:

Facility Count: Count of unique facilities

Operator count: Count of unique operator companies

Total volume: Sum of total production volume

BC Short term approvals:

Client Count: Count of unique client companies

Water source count: Count of unique water source

Total volume approval: Sum of total approved volume

Total extract volume: Sum of total extracted volume

WSA Water use temp licence:

Licence Count: Count of unique licences

Total allocation: Sum of total water allocated

Total use: Sum of total water used

BC water licenses:

Client count: Count of unique client companies

Water source count: Count of unique water sources

Total volume approval: Sum of total approved volume

Total extract volume: Sum of total extracted volume

BCOGC Combined:

Client count: Count of unique client companies

Well allocation count: Count of unique well allocation number

Total gas production: Sum of total volume of gas produced (in e3m3)

Total oil production: Sum of total volume of oil produced (in m3)

Total water production: Sum of total volume of water produced (in m3)

WURS:

Licence ID count: Count of unique licence IDs in WURS

Water Dashboards: Technical Specification Document

Location ID count: Count of distinct operator companies

Total allocation volume: Sum of total volume of water allocated (in m3)

Total consumption: Sum of total volume of water consumption (in m3)

Total return flow: Sum of total volume of water return flow (in m3)

Total allocation losses: Sum of total volume of water losses (in m3)

Manitoba water production:

CAPP member count: Count of unique CAPP member companies

Total oil production: Sum of total oil production volume (in m3)

Total gas production: Sum of total gas production volume (in em3)

Total water production: Sum of total water production volume (in m3)

MB well counts:

Company count: Count of unique companies

Licensed location count: Count of unique licensed locations

Unique well count: Count of unique number of UWI (Unique well identifier)

Well units: Sum of total well units in Manitoba

Water Dashboards: Technical Specification Document

Singleton value: Mapping table

Data set items	Database column
Facility Count	Petrinex.[Facility ID]
Operator Count	Petrinex.[Operator BA]
Total Volume	Petrinex.[Volume]
Client count	[BC_Short_term_approvals].[CLIENT_NAME]
Water Source Count	[BC_Short_term_approvals].[WATER_SOURCE]
Total Volume Approval	[BC_Short_term_approvals].[Total_Volume_Approval]
Total Extract Volume	[BC_Short_term_approvals].[EXTRACT_VOLUME]
Client Count	[BC_Water_Licenses].[CLIENT_NAM]
Water Source Count	[BC_Water_Licenses].[WATER_SOUR]
Total Volume Approval	[BC_Water_Licenses].[Total_Volume_Approval]
Total Extract Volume	[BC_Water_Licenses].[EXTRACT_VOLUME]
Licence Count	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[Temp_Licence]
Total Allocation	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[Alloc]
Total Use	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[Use Dam3]
Client Count	[BCOGC_Clients].[Client Name]
Well Allocation Count	[BCOGC_Wells].[WA Num]
Total Gas Production	[BCOGC_Production].[Gas_prod_vol(e3m3)]
Total Oil Production	[BCOGC_Production].[Oil_prod_vol(m3)]
Total Water Production	[BCOGC_Production].[Water_prod_vol(m3)]
Licence ID Count	[WURS data].[Licence ID]
Location ID Count	[WURS data].[LOCATION_ID]
Total Allocation Volume	[WURS data].[TOTAL_ALLOC_Vol_m3]
Total Consumption	[WURS data].[ALLOC_CONSUMPTION_m3]
Total Return Flow	[WURS data].[ALLOC_RET_FLOW_m3]
Total Allocation Losses	[WURS data].[ALLOC_LOSSES_m3]
CAPP Member Count	[Manitoba_Water_Production].[Capp_Member_Name]
Total Oil Production	[Manitoba_Water_Production].[Oil_m3]
Total Gas Production	[Manitoba_Water_Production].[Gas_em3]
Total Water Production	[Manitoba_Water_Production].[Water_m3]
Company Count	[MB_Well_Counts].[COMPANY]
Licensed Location Count	[MB_Well_Counts].[LICENCED LOCATION]
Unique Well Count	[MB_Well_Counts].[UWI]
Well Units	[MB_Well_Counts].[UNIT]

Water Dashboards: Technical Specification Document

Tab: Graphical Analysis

Datasets: Bar chart

Petrinex: Production volume distribution by activities

BC Short term approvals: Total approved water & extracted water volume by water sources

BCOGC combined: Water production volume distribution by client companies

BC water licenses: Total approved water & extracted water volume by water sources

MB well counts: Unique UWI (unique well identifier) count by UWI status

WURS: Total allocated volume and total consumed volume of water by location type

Manitoba water production: Water production by CAPP member companies of Manitoba

WSA water use temp lic and term licences: Total water allocation by sources

Bar Chart: Mapping table

Data set items	Database column
Production Volume Distribution	[Petrinex].[Volume]
Activities	[Petrinex].[Activity]
Total Approved Water	[BC_Short_term_approvals].[Total_Volume_Approval]
Extracted Water Volume	[BC_Short_term_approvals].[EXTRACT_VOLUME]
Water Sources	[BC_Short_term_approvals].[WATER_SOURCE]
Water Production Volume Distribution	[BCOGC_Production].[Water_prod_vol(m3)]
Client Companies	[BCOGC_Clients].[Client Name]
Unique UWI (Unique Well Identifier)	[MB_Well_Counts].[UWI]
UWI Status	[MB_Well_Counts].[UWI STATUS]
Total Allocated Volume	[WURS data].[TOTAL_ALLOC_Vol_m3]
Total consumed volume of water	[WURS data].[ALLOC_CONSUMPTION_m3]
Location Type	[WURS data].[LOCATION_TYPE]
Water Production	[Manitoba_Water_Production].[Water_m3]
CAPP Member Companies of Manitoba	[Manitoba_Water_Production].[Capp_Member_Name]
Total Water Allocation	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[Alloc]
Sources	[WSA_Water_Use_Temp_Lic_and_Term_Licences].[Source Desc]



WAREHOUSE DESIGN

HSE Analytics

Warehouse Schema

BC_Short_term_approvals	
Province	varchar(2) NOT
OGC_FILE_N	float
CLIENT_NAME	nvarchar(255)
SEC8_EFF_D	datetime
SEC8_TERM	datetime
CANCEL_DAT	nvarchar(255)
POD_NUM	nvarchar(255)
UTM_ZONE	float
UTM83_EAST	float
UTM83_NORT	float
WATER_SOURCE	nvarchar(255)
WATER_SO_1	nvarchar(255)
VOL_PER_DAY_APPROVAL	float
Total_Volume_Approval	float
EXTRACT_VOLUME	float
REPORT_PER	float
F16	nvarchar(255)

BC_Water_Licenses	
Province	varchar(2)
OGC_FILE_N	float
CLIENT_NAM	nvarchar(255)
SEC8_EFF_D	datetime
SEC8_TERM	datetime
CANCEL_DAT	datetime
POD_NUM	float
UTM83_EAST	float
UTM83_NORT	float
WATER_SOUR	nvarchar(255)
WATER_SO_1	nvarchar(255)
VOL_PER_DAY_APPROVAL	float
Total_Volume_Approval	float
EXTRACT_VOLUME	float
REPORT_PER	float

BCOGC_Clients	
Client Id	int
Client Name	nvarchar(255)
Client Abbrev	nvarchar(255)
Client Eff Period	int

BCOGC_Production	
ID	int
Wa_num	int
Compltn_event_seq	nvarchar(255)
Prod_period	int
UWI	nvarchar(255)
Area_code	int
Formtn_code	int
Pool_seq	nvarchar(255)
Gas_prod_vol(e3m3)	float
Oil_prod_vol(m3)	float
Water_prod_vol(m3)	float
Cond_prod_vol(m3)	float
Prod_days	float
Gas_prod_cum(e3m3)	float
Oil_prod_cum(m3)	float
Water_prod_cum(m3)	float
Cond_prod_cum(m3)	float
Project_code	nvarchar(255)

BCOGC_Well_index	
[ID]	int
[WA]	int
[Well Name]	nvarchar(255)
[Bottom Hole]	nvarchar(255)
[R]	nvarchar(255)
[Mode]	nvarchar(255)
[Fluid]	nvarchar(255)
[Oper]	nvarchar(255)
[DE]	nvarchar(255)
[RR Date]	int
[Area]	nvarchar(255)
[Form]	nvarchar(255)
[Pool Seq]	nvarchar(255)
[Pr]	nvarchar(255)
[CE]	nvarchar(255)
[Status]	nvarchar(255)
[Fluid 2]	nvarchar(255)
[mode 2]	nvarchar(255)
[UWI]	nvarchar(255)
[Clas]	nvarchar(255)
[IP]	int
[Last P]	int
[CF]	nvarchar(255)
[Conf Rels Date]	nvarchar(255)

BCOGC_Wells	
[ID]	int
[Well Surf Loc]	nvarchar(255)
[Well Name]	nvarchar(255)
[WA Num]	int
[Surf Nad27 Lat]	float
[Surf Nad27 Long]	float
[Surf Nad83 Lat]	float
[Surf Nad83 Long]	float
[Surf UTM Zone Num]	float
[Surf UTM83 Northng]	float
[Surf UTM83 Eastng]	float
[Surf North]	float
[Surf East]	float
[Surf Owner]	nvarchar(255)
[Ground Elevtn]	float
[Directional Flag]	nvarchar(255)
[Surf Ref Corner]	nvarchar(255)
[Surf Ref Unit]	nvarchar(255)
[Surf Ref Block]	nvarchar(255)
[Surf Ref Map]	nvarchar(255)
[Surf Ref Lsd]	nvarchar(255)
[Surf Ref Sect]	nvarchar(255)
[Surf Ref Twp]	nvarchar(255)
[Surf Ref Range]	nvarchar(255)
[Surf DLS Exception]	nvarchar(255)
[Surf Lsd]	nvarchar(255)
[Surf Sect]	nvarchar(255)
[Surf Twp]	nvarchar(255)
[Surf Range]	nvarchar(255)
[Surf Qtr Unit]	nvarchar(255)
[Surf NTS Exception]	nvarchar(255)
[Surf Unit]	nvarchar(255)
[Surf Block]	nvarchar(255)
[Surf Map]	nvarchar(255)
[Oper Id]	int
[Oper Abbrev]	nvarchar(255)
[Oper Abbrev2]	nvarchar(255)
[Optnl Unit]	nvarchar(255)
[Well Area Name]	nvarchar(255)
[Well Name Date]	int
[Special Well Class Code]	nvarchar(255)

Manitoba_Water_Production	
[ID]	int
[Province]	nvarchar(10)
[Capp_Member_Name]	nvarchar(255)
[Yr]	nvarchar(255)
[Field]	nvarchar(255)
[Reservoir]	nvarchar(255)
[Oil_m3]	float
[Gas_em3]	float
[Water_m3]	float

MB_Well_Counts	
[Province]	varchar(2)
[LICENCED LOCATION]	nvarchar(255)
[SURFACE LOCATION]	nvarchar(255)
[LICENCE]	float
[NAME]	nvarchar(255)
[COMPANY]	nvarchar(255)
[UWI]	nvarchar(255)
[FIELD CODE]	float
[POOL CODE]	nvarchar(255)
[UNIT]	float
[MULTI COMP]	nvarchar(255)
[CURRENT STATUS]	nvarchar(255)
[WELL STATUS DATE]	nvarchar(255)
[UWI STATUS]	nvarchar(255)
[UWI STATUS DATE]	nvarchar(255)
[MINERAL RIGHTS]	nvarchar(255)
[DEVIATION]	nvarchar(255)

Petrinex	
[Province]	varchar(2)
[ID]	int NOT
[Production Month]	nvarchar(255)
[Operator BA]	nvarchar(255)
[Operator Name]	nvarchar(255)
[Facility ID]	nvarchar(255)
[Facility Name]	nvarchar(255)
[Facility Location]	nvarchar(255)
[Submission Date]	nvarchar(255)
[Amendment]	nvarchar(255)
[Reference Code]	nvarchar(255)
[Confidential Message]	nvarchar(255)
[From/To Facility Node ID]	nvarchar(255)
[Confidential Indicator]	nvarchar(255)
[Activity]	nvarchar(255)
[Hours]	int
[Oil]	float
[Condensate]	float
[Gas]	float
[Water]	float
[Solvent]	float
[Steam]	float
[Other Injection Volume]	float
[Other Injection Product]	nvarchar(255)
[Product]	nvarchar(255)
[Product Grouping]	nvarchar(255)
[Volume]	float
[Energy]	nvarchar(255)

WSA_Water_Use_Temp_Lic_and_Term_Licenses	
[Province]	varchar(2)
[Temp Licence]	nvarchar(255)
[Source Desc]	nvarchar(255)
[Source]	nvarchar(255)
[Purpose]	nvarchar(255)
[Type]	nvarchar(255)
[NewPurpose]	nvarchar(255)
[NewType]	nvarchar(255)
[Alloc]	float
[Losses]	float
[Year]	nvarchar(255)
[Use Dam3]	float
[Est/Use]	nvarchar(255)
[Data Source]	nvarchar(255)
[WS Name]	nvarchar(255)

WURS data	
[Licence ID]	decimal(8, 0)
[ALLOW_FUTURE_INACTIVITY_FLAG]	nvarchar(1)
[ALLOW_ESTIMATED_METHOD_FLAG]	nvarchar(1)
[APV_SEQUENCE_NUMBER]	decimal(2, 0)
[APV Amendment Sequence Number]	decimal(2, 0)
[MANDATORY_CONDITIONS_FLAG]	nvarchar(1)
[APV_ID]	decimal(8, 0)
[WATER_ALLOCATION_TYPE]	nvarchar(2)
[WATER_BODY_ID_AFFECTED]	decimal(8, 0)
[WATER_BODY_ID_RETURNED]	decimal(8, 0)
[RIVER_SUB_BASIN_CODE_AFFECTED]	nvarchar(4)
[RIVER_SUB_BASIN_CODE_RETURNED]	nvarchar(4)
[Operation Specific Activity ID]	decimal(8, 0)
[APL_SPECIFIC_ACTIVITY_ID]	decimal(8, 0)
[OPR_APL_SPECIFIC_ACTIVITY_ID]	decimal(8, 0)
[STATUS_INDICATOR]	nvarchar(2)
[IRRIGABLE_AREA]	decimal(10, 2)
[DIVERSION_TYPE]	nvarchar(4)

WURS_Approval_Holders	
[APV_ID]	decimal(8, 0)
[STAKEHOLDER_ID]	decimal(8, 0)
[MASTER_STAKEHOLDER_ID]	decimal(8, 0)
[STATUS_INDICATOR]	nvarchar(1)
[SUB_TYPE]	nvarchar(1)
[LAST_NAME]	nvarchar(25)
[PHONETIC_LAST_NAME]	nvarchar(12)

[WS Num]	nvarchar(255)
[Source WS]	nvarchar(255)
[O/S Srce]	nvarchar(255)
[Contrib]	nvarchar(255)
[NTS]	nvarchar(255)
[SubBasin]	nvarchar(255)
[RM]	nvarchar(255)
[Land_Loc]	nvarchar(255)
[WSA Region]	nvarchar(255)
[F24]	nvarchar(255)
[F25]	nvarchar(255)
[F26]	nvarchar(255)
[F27]	nvarchar(255)

[Test Hole]	nvarchar(255)
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WURS_chemical_measurements	
CHEMICAL_MEASUREMENT_ID	decimal(8, 0)
CHEMICAL_ANALYSIS_ID	decimal(8, 0)
CONDITION_ID	decimal(8, 0)
VARIABLE_CODE	nvarchar(4)
MEASUREMENT_VALUE	decimal(16, 6)
DATA_ENTRY_METHOD_ID	decimal(8, 0)
SUBMITTER_ACCOUNT_ID	decimal(8, 0)
SUBMITTER_COMMENT	nvarchar(80)
CALC_COMBINATION_ID	decimal(8, 0)
VMV_CODE	decimal(6, 0)
ORIG_MEASUREMENT_VALUE	nvarchar(32)
MEASUREMENT_INDICATOR_FLAG	nvarchar(1)
CREATE_TIMESTAMP	datetime
UPDATE_TIMESTAMP	datetime
CREATE_USERID	nvarchar(30)
UPDATE_USERID	nvarchar(30)

WURS_CONDITIONS	
CONDITION_ID	decimal(8, 0)
REMINDER_GRACE_PERIOD	decimal(3, 0)
MULTI_LOCATION_FLAG	nvarchar(1)
TERMINATED_DATE	datetime
DATA_ENTRY_PREF_CODE	nvarchar(8)
NOTIFY_STAFF_PERIOD	decimal(3, 0)
INACTIVE_PERIOD_START_DATE	datetime
INACTIVITY_COMMENT	nvarchar(80)
MEASUREMENT_PERIOD_CODE	nvarchar(20)
SUBMISSION_FREQ_CODE	nvarchar(20)
LOCATION_ID	decimal(8, 0)
INACTIVE_PERIOD_END_DATE	datetime
SUBMITTER_REMINDED_COUNT_NBR	decimal(8, 0)
STAFF_NOTIFIED_COUNT_NUMBER	decimal(8, 0)
CREATE_TIMESTAMP	datetime
UPDATE_TIMESTAMP	datetime
CREATE_USERID	nvarchar(80)
UPDATE_USERID	nvarchar(80)
CONDITION_INSTATEMENT_DATE	datetime
VARIABLE_GROUP_CODE	nvarchar(20)
CONDITION_TYPE	nvarchar(32)
CONDITION_NAME	nvarchar(40)
TEMPLATE_ID	decimal(8, 0)

WURS_SUBMITTED_MEASUREMENTS	
SUBMITTD_MEASUREMENT_ID	decimal(8, 0)
REVIEW_DATE	datetime
REVIEWER_COMMENT	nvarchar(80)
FACTOR_1_VALUE	decimal(16, 6)
FACTOR_2_VALUE	decimal(16, 6)
SUBMITTER_ACCOUNT_ID	decimal(8, 0)
MEASUREMENT_VALUE	decimal(16, 6)
CALC_COMBINATION_ID	decimal(8, 0)
CONDITION_ID	decimal(8, 0)
SUBMITTER_COMMENT	nvarchar(80)
DATA_ENTRY_METHOD_ID	decimal(8, 0)
MEAS_VALUE_NOT_KNOWN_FLAG	nvarchar(1)
METER_INIT_READING_NUMBER	decimal(16, 6)
METER_INITIALIZATION_COMMENT	nvarchar(80)

[DIVERSION_RATE]	decimal(8, 3)
[DESCRIPTION]	nvarchar(255)
[TECH_DETAIL_EFFECTIVE_DATE]	datetime2(7)
[DIVERSION_QUADRANT_ID]	nvarchar(2)
[DIVERSION_QUARTER_SECTION_ID]	nvarchar(2)
[DIVERSION_QUARTER_QUADRANT_ID]	nvarchar(2)
[RETURN_TOWNSHIP_NUMBER]	decimal(3, 0)
[RETURN_SECTION_NUMBER]	decimal(2, 0)
[RETURN_RANGE_NUMBER]	decimal(2, 0)
[RETURN_QUARTER_SECTION_ID]	nvarchar(2)
[RETURN_HALF_QUARTER_SECTION_ID]	nvarchar(1)
[PRODUCTION_INTERVAL_LOW_VALUE]	decimal(6, 1)
[PRODUCTION_INTERVAL_HIGH_VALUE]	decimal(6, 1)
[DIVERSION_TOWNSHIP_NUMBER]	decimal(3, 0)
[DIVERSION_SECTION_NUMBER]	decimal(2, 0)
[RETURN_QUARTER_QUADRANT_ID]	nvarchar(2)
[RETURN_QUADRANT_ID]	nvarchar(2)
[RETURN_MERIDIAN_NUMBER]	decimal(1, 0)
[RETURN_LEGAL_SUBDIV_NUMBER]	decimal(2, 0)
[DIVERSION_RANGE_NUMBER]	decimal(2, 0)
[DIVERSION_MERIDIAN_NUMBER]	decimal(1, 0)
[DIVERSION_LEGAL_SUBDIV_NUMBER]	decimal(2, 0)
[DIVERSION_HALF_QUARTER_SECTION]	nvarchar(1)
[DIVERSION_LATITUDE]	decimal(10, 8)
[DIVERSION_LONGITUDE]	decimal(11, 8)
[DIVERSION_CORRECTED_FLAG]	nvarchar(1)
[RETURN_LATITUDE]	decimal(10, 8)
[RETURN_CORRECTED_FLAG]	nvarchar(1)
[RETURN_LONGITUDE]	decimal(11, 8)
[Transfer Water Allocation ID]	decimal(8, 0)
[TRANSFER_TYPE]	nvarchar(5)
[DIVERSION_SITE]	nvarchar(2)
[COMMENT_TEXT]	nvarchar(255)
[WELL_ID]	decimal(7, 0)
[LOCATION_TYPE]	nvarchar(9)
[LOCATION_DESCRIPTION]	nvarchar(40)
[LOCATION_ID]	decimal(8, 0)
[LICENCE_ID]	decimal(8, 0)
[DATE_DRILLED]	datetime
[WELL_DEPTH]	decimal(10, 0)
[WELL_DEPTH_UNIT]	nvarchar(32)
[CONDITION_TYPE]	nvarchar(32)
[CONDITION_NAME]	nvarchar(40)
[CONDITION_ID]	decimal(8, 0)
[REMINDER_GRACE_PERIOD]	decimal(3, 0)
[MULTI_LOCATION_FLAG]	nvarchar(1)
[TERMINATED_DATE]	datetime
[DATA_ENTRY_PREF_CODE]	nvarchar(8)
[NOTIFY_STAFF_PERIOD]	decimal(3, 0)
[INACTIVE_PERIOD_START_DATE]	datetime
[INACTIVITY_COMMENT]	nvarchar(80)
[SUBMISSION_FREQ_CODE]	nvarchar(20)
[INACTIVE_PERIOD_END_DATE]	datetime
[SUBMITTER_REMINDED_COUNT_NBR]	decimal(8, 0)
[STAFF_NOTIFIED_COUNT_NUMBER]	decimal(8, 0)
[CONDITION_INSTATEMENT_DATE]	datetime
[VARIABLE_GROUP_CODE]	nvarchar(20)
[TEMPLATE_ID]	decimal(8, 0)
[WATER_BODY_ID]	decimal(8, 0)
[TRIBUTARY_TO_WATER_BODY_ID]	decimal(8, 0)
[WATER_BODY_TYPE]	nvarchar(2)
[Submitted Measurement ID]	decimal(8, 0)
[REVIEW_DATE]	datetime
[REVIEWER_COMMENT]	nvarchar(80)
[FACTOR_1_VALUE]	decimal(16, 6)
[FACTOR_2_VALUE]	decimal(16, 6)

[FIRST_NAME]	nvarchar(16)
[PHONETIC_FIRST_NAME]	nvarchar(8)
[MIDDLE_INITIALS]	nvarchar(5)
[HONORIFIC_ABBREVIATION]	nvarchar(5)
[SUFFIX_ABBREVIATION]	nvarchar(28)
[ORGANIZATION_NAME]	nvarchar(60)
[PHONETIC_ORGANIZATION_NAME]	nvarchar(28)
[ORGANIZATION_UNIT_TYPE_CODE]	nvarchar(3)
[DEPARTMENT_FLAG]	nvarchar(1)
[PARENT_ORGUNIT_STAKEHOLDER_ID]	decimal(8, 0)
[PREFERRED_ADDRESS_ID]	decimal(8, 0)
[STATUS_CHANGE_REASON_TEXT]	nvarchar(40)
[STATUS_CHANGE_DATE]	datetime
[COMMENT_TEXT]	nvarchar(max)
[DUPLICATION_INDICATOR]	nvarchar(1)
[POSTING_FLAG]	nvarchar(1)
[STAKEHOLDER_SORT_NAME]	nvarchar(60)
[MIXED_LAST_NAME]	nvarchar(25)
[MIXED_FIRST_NAME]	nvarchar(16)
[MIXED_HONORIFIC_ABBREVIATION]	nvarchar(5)
[MIXED_SUFFIX_ABBREVIATION]	nvarchar(5)
[MIXED_ORGANIZATION_NAME]	nvarchar(60)
[STATUS_CHANGE_USERID]	nvarchar(30)
[CREATE_TIMESTAMP]	datetime
[CREATE_USERID]	nvarchar(30)
[UPDATE_TIMESTAMP]	datetime
[UPDATE_USERID]	nvarchar(30)
[REC_CERT_ADDRESS_ID]	decimal(8, 0)

WURS_LICENCES	
LICENCE_ID	decimal(8, 0)
ALLOW_FUTURE_INACTIVITY_FLAG	nvarchar(1)
ALLOW_ESTIMATED_METHOD_FLAG	nvarchar(1)
APV_ID	decimal(8, 0)
APV_SEQUENCE_NUMBER	decimal(2, 0)
APV_AMEND_SEQ_NUMBER	decimal(2, 0)
MANDATORY_CONDITIONS_FLAG	nvarchar(1)
CREATE_TIMESTAMP	datetime
UPDATE_TIMESTAMP	datetime
CREATE_USERID	nvarchar(80)
UPDATE_USERID	nvarchar(80)

WURS_LOCATIONS	
LOCATION_ID	decimal(8, 0)
LOCATION_TYPE	nvarchar(9)
LOCATION_DESCRIPTION	nvarchar(40)
LICENCE_ID	decimal(8, 0)
WATER_ALLOCATION_ID	decimal(8, 0)
CREATE_TIMESTAMP	datetime
UPDATE_TIMESTAMP	datetime
CREATE_USERID	nvarchar(80)
UPDATE_USERID	nvarchar(80)
DATE_DRILLED	datetime
WELL_DEPTH	decimal(10, 0)
WELL_DEPTH_UNIT	nvarchar(32)

WURS_water_allocation_priorities	
WATER_ALLOCATION_ID	decimal(8, 0)
PRIORITY	nvarchar(255)

WURS_approvals	
CREATE_USERID	nvarchar(30)
UPDATE_USERID	nvarchar(30)
UPDATE_TIMESTAMP	datetime
UNDER_APPEAL_FLAG	nvarchar(1)
POSTING_FLAG	nvarchar(1)
MASTER_APV_ID	decimal(8, 0)
SUB_SUB_TYPE	nvarchar(1)
OPR_ID	decimal(8, 0)
EFFECTIVE_DATE	datetime
RENEWAL_ALLOWED_FLAG	nvarchar(1)
STATUS_COMMENT	nvarchar(MAX)
COMMENT_TEXT	nvarchar(MAX)
CREATE_TIMESTAMP	datetime
APV_APL_SEQ_NUMBER	decimal(3, 0)
APV_ID	decimal(8, 0)
APV_SEQ_NUMBER	decimal(2, 0)
APV_AMEND_SEQ_NUMBER	decimal(2, 0)
NAME	nvarchar(255)
MANUAL_APV_NUMBER	nvarchar(15)
MASTER_APV_SEQ_NUMBER	decimal(2, 0)
SUB_TYPE	nvarchar(1)
STATUS_INDICATOR	nvarchar(2)
APPROVED_DATE	datetime2(6)
EXPIRY_DATE	datetime2(6)
STATUS_DATE	datetime2(6)
TRANSITIONAL_APV_FLAG	nvarchar(1)
APV_APL_ID	decimal(8, 0)
APV_DOCUMENT_TYPE_CODE	nvarchar(5)
NOTICE_OF_DECISION_INDICA	nvarchar(4)
NOTICE_POSTING_TIME	decimal(2, 0)
COMMENT_IS_RESTRICTION	nvarchar(1)
TEMP_SUBMISSION_NOTES	nvarchar(MAX)
WUR_CONDITIONS_FLAG	nvarchar(1)
APV_REPORT_CLASSIFICATION	decimal(8, 0)

WURS_OPERATION_SPECIFIC_ACTIVITIES	
OPR_SPECIFIC_ACTIVITY_ID	decimal(8, 0)
OPR_ID	decimal(8, 0)
CHIEF_DBA_SPECIFIC_ACTIVITI	nvarchar(8)
ADD_APV_ID	decimal(8, 0)
ADD_APV_SEQ_NUMBER	decimal(2, 0)
ADD_APV_AMEND_SEQ_NUM	decimal(2, 0)
ADD_DATE	datetime
ADD_REASON_INDICATOR	nvarchar(1)
DELETE_APV_ID	decimal(8, 0)
DELETE_APV_SEQ_NUMBER	decimal(2, 0)
DELETE_APV_AMEND_SEQ NU	decimal(2, 0)

DELETE_DATE	datetime
DELETE_REASON_INDICATOR	nvarchar(1)
CREATE_TIMESTAMP	datetime
CREATE_USERID	nvarchar(30)
UPDATE_TIMESTAMP	datetime
UPDATE_USERID	nvarchar(30)

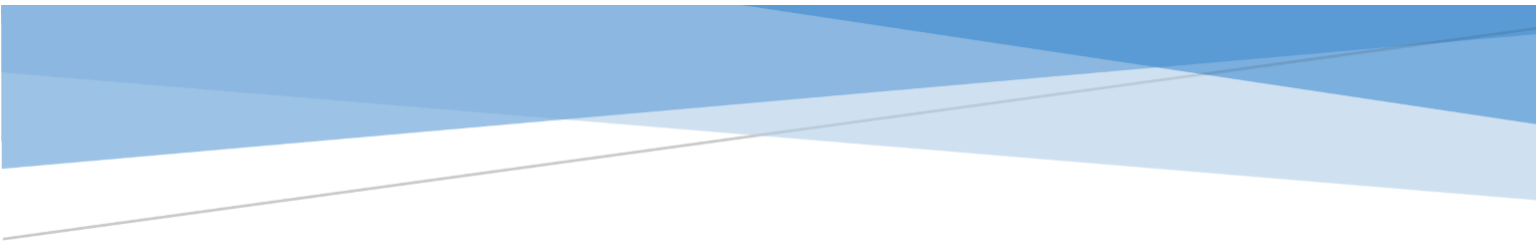
WURS_Water_Bodies	
WATER_BODY_ID	decimal(8, 0)
WaterBodyName	nvarchar(40)
TRIBUTARY_TO_WATER_BODY	decimal(8, 0)
WATER_BODY_TYPE	nvarchar(2)

REVIEWER_ACCOUNT_ID	decimal(8, 0)
MEASUREMENT_PERIOD_DATE	datetime
MEASUREMENT_PERIOD_CODE	nvarchar(20)
CREATE_TIMESTAMP	datetime
UPDATE_TIMESTAMP	datetime
CREATE_USERID	nvarchar(80)
UPDATE_USERID	nvarchar(80)
VMV_CODE	decimal(6, 0)
SYSTEM_METER_ROLLOVER_FLAG	nvarchar(1)
ORIG_MEASUREMENT_VALUE	nvarchar(32)

WURS_water_levels	
WATER_LEVEL_ID	decimal(8, 0)
CONDITION_ID	decimal(8, 0)
DATA_ENTRY_METHOD_ID	decimal(8, 0)
MEASUREMENT_PERIOD_DATE	datetime
MEASUREMENT_PERIOD_CODE	nvarchar(20)
MEASUREMENT_VALUE	decimal(16, 6)
LEVEL_UNIT_CODE	nvarchar(32)
PUMP_ON	nvarchar(1)
DATE_MEASUREMENT_TAKEN	datetime
TIME_MEASUREMENT_TAKEN	nvarchar(8)
FLOWING_WELL	nvarchar(1)
PRESSURE	decimal(16, 0)
PRESSURE_UNIT_CODE	nvarchar(32)
SUBMITTER_ACCOUNT_ID	decimal(8, 0)
SUBMITTER COMMENT	nvarchar(80)
VMV_CODE	decimal(6, 0)
ORIG_MEASUREMENT VALUE	decimal(16, 6)
CREATE_TIMESTAMP	datetime
UPDATE_TIMESTAMP	datetime
CREATE_USERID	nvarchar(30)
UPDATE_USERID	nvarchar(30)

[SUBMITTER_ACCOUNT_ID]	decimal(8, 0)
[MEASUREMENT_VALUE]	decimal(16, 6)
[CALC_COMBINATION_ID]	decimal(8, 0)
[SUBMITTER_COMMENT]	nvarchar(80)
[DATA_ENTRY_METHOD_ID]	decimal(8, 0)
[MEAS VALUE NOT KNOWN FLAG]	nvarchar(1)
[METER_INIT_READING NUMBER]	decimal(16, 6)
[METER_INITIALIZATION_COMMENT]	nvarchar(80)
[REVIEWER_ACCOUNT_ID]	decimal(8, 0)
[MEASUREMENT_PERIOD_DATE]	datetime
[MEASUREMENT_PERIOD_CODE]	nvarchar(20)
[VMV_CODE]	decimal(6, 0)
[SYSTEM_METER_ROLLOVER_FLAG]	nvarchar(1)
[ORIG_MEASUREMENT_VALUE]	nvarchar(32)
[Year]	int
[Div_m3]	decimal(38, 6)
[Month_sum]	int
[Month_count]	int
[WATER ALLOCATION ID]	decimal(8, 0)
[Water body name]	nvarchar(40)
[PRIORITY]	nvarchar(255)
[TOTAL_ALLOC_Vol_m3]	decimal(14, 2)
[ALLOC_CONSUMPTION_m3]	decimal(12, 2)
[ALLOC_RET_FLOW_m3]	decimal(12, 2)
[ALLOC_LOSSES_m3]	decimal(12, 2)

WURS_water_allocations	
WATER_ALLOCATION_ID	decimal(8, 0)
WATER_ALLOCATION_TYPE	nvarchar(2)
CONSUMPTIVE USE	decimal(12, 2)
WATER_BODY_ID_AFFECTED	decimal(8, 0)
WATER_BODY_ID_RETURNED	decimal(8, 0)
RIVER_SUB_BASIN_CODE_AFFECTED	nvarchar(4)
RIVER_SUB_BASIN_CODE_RETURNED	nvarchar(4)
OPR_SPECIFIC_ACTIVITY_ID	decimal(8, 0)
APL_SPECIFIC_ACTIVITY_ID	decimal(8, 0)
OPR_APL_SPECIFIC_ACTIVITY_ID	decimal(8, 0)
STATUS_INDICATOR	nvarchar(2)
RETURN_FLOW	decimal(12, 2)
LOSSES	decimal(12, 2)
IRRIGABLE_AREA	decimal(10, 2)
DIVERSION_TYPE	nvarchar(4)
DIVERSION_RATE	decimal(8, 3)
DESCRIPTION	nvarchar(255)
TECH_DETAIL_EFFECTIVE_DATE	datetime(27)
DIVERSION_QUADRANT_ID	nvarchar(2)
DIVERSION_QUARTER_SECTION_ID	nvarchar(2)
DIVERSION_QUARTER_QUADRANT_ID	nvarchar(2)
RETURN_TOWNSHIP_NUMBER	decimal(3, 0)
RETURN_SECTION_NUMBER	decimal(2, 0)
RETURN_RANGE_NUMBER	decimal(2, 0)
RETURN_QUARTER_SECTION_ID	nvarchar(2)
RETURN_HALF_QUARTER_SECTION_ID	nvarchar(1)
PRODUCTION_INTERVAL_LOW_VALUE	decimal(6, 1)
PRODUCTION_INTERVAL_HIGH_VALUE	decimal(6, 1)
DIVERSION_TOWNSHIP_NUMBER	decimal(3, 0)
DIVERSION_SECTION_NUMBER	decimal(2, 0)
RETURN_QUARTER_QUADRANT_ID	nvarchar(2)
RETURN_QUADRANT_ID	nvarchar(2)
RETURN_MERIDIAN_NUMBER	decimal(1, 0)
RETURN_LEGAL_SUBDIV_NUMBER	decimal(2, 0)
DIVERSION_RANGE_NUMBER	decimal(2, 0)
DIVERSION_MERIDIAN_NUMBER	decimal(1, 0)
DIVERSION_LEGAL_SUBDIV_NUMBER	decimal(2, 0)
DIVERSION_HALF_QUARTER_SECTION	nvarchar(1)
DIVERSION_LATITUDE	decimal(10, 8)
DIVERSION_LONGITUDE	decimal(11, 8)
DIVERSION_CORRECTED_FLAG	nvarchar(1)
RETURN_LATITUDE	decimal(10, 8)
RETURN_CORRECTED_FLAG	nvarchar(1)
RETURN_LONGITUDE	decimal(11, 8)
CREATE_TIMESTAMP	datetime
CREATE_USERID	nvarchar(30)
UPDATE_USERID	nvarchar(30)
UPDATE_TIMESTAMP	datetime
TRANSFER_WATER_ALLOC_ID	decimal(8, 0)
TRANSFER_TYPE	nvarchar(5)
DIVERSION_SITE	nvarchar(2)
COMMENT_TEXT	nvarchar(255)
WELL_ID	decimal(7, 0)



SOURCE TARGET MAPPING

ST Mapping Petrinex Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
Province	Petrinex	varchar(2)	(DT_STR,2,1252)"AB"		AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	varchar(2)
ID	Petrinex	int		ID	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	int
Production Month	Petrinex	nvarchar(255)		Production Month	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Operator BA	Petrinex	nvarchar(255)		Operator BA	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Operator Name	Petrinex	nvarchar(255)		Operator Name	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Facility ID	Petrinex	nvarchar(255)		Facility ID	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Facility Name	Petrinex	nvarchar(255)		Facility Name	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Facility Location	Petrinex	nvarchar(255)		Facility Location	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Submission Date	Petrinex	nvarchar(255)		Submission Date	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Amendment	Petrinex	nvarchar(255)		Amendment	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Reference Code	Petrinex	nvarchar(255)		Reference Code	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Confidential Message	Petrinex	nvarchar(255)		Confidential Message	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
From/To Facility Node ID	Petrinex	nvarchar(255)		From/To Facility Node ID	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Confidential Indicator	Petrinex	nvarchar(255)		Confidential Indicator	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Activity	Petrinex	nvarchar(255)		Activity	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Hours	Petrinex	int		Hours	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	int
Oil	Petrinex	float		Oil	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	float
Condensate	Petrinex	float		Condensate	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	float
Gas	Petrinex	float		Gas	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	float
Water	Petrinex	float		Water	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	float
Solvent	Petrinex	float		Solvent	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	float
Steam	Petrinex	float		Steam	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	float
Other Injection Volume	Petrinex	float		Other Injection Volume	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	float
Other Injection Product	Petrinex	nvarchar(255)		Other Injection Product	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Product	Petrinex	nvarchar(255)		Product	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Product Grouping	Petrinex	nvarchar(255)		Product Grouping	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Volume	Petrinex	float		Volume	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	float
Energy	Petrinex	nvarchar(255)		Energy	AB_PY2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
Province	Petrinex	varchar(2)	(DT_STR,2,1252)"SK"		SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	varchar(2)
ID	Petrinex	int		ID	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	int
Production Month	Petrinex	nvarchar(255)		Production Month	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Operator BA	Petrinex	nvarchar(255)		Operator BA	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Operator Name	Petrinex	nvarchar(255)		Operator Name	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Facility ID	Petrinex	nvarchar(255)		Facility ID	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Facility Name	Petrinex	nvarchar(255)		Facility Name	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Facility Location	Petrinex	nvarchar(255)		Facility Location	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Submission Date	Petrinex	nvarchar(255)		Submission Date	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Amendment	Petrinex	nvarchar(255)		Amendment	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Reference Code	Petrinex	nvarchar(255)		Reference Code	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Confidential Message	Petrinex	nvarchar(255)		Confidential Message	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
From/To Facility Node ID	Petrinex	nvarchar(255)		From/To Facility Node ID	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Confidential Indicator	Petrinex	nvarchar(255)		Confidential Indicator	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Activity	Petrinex	nvarchar(255)		Activity	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Hours	Petrinex	int		Hours	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	int
Oil	Petrinex	float		Oil	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	float
Condensate	Petrinex	float		Condensate	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	float
Gas	Petrinex	float		Gas	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	float

Water	Petrinex	float		Water	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	float
Solvent	Petrinex	float		Solvent	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	float
Steam	Petrinex	float		Steam	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	float
Other Injection Volume	Petrinex	float		Other Injection Volume	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	float
Other Injection Product	Petrinex	nvarchar(255)		Other Injection Product	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Product	Petrinex	nvarchar(255)		Product	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Product Grouping	Petrinex	nvarchar(255)		Product Grouping	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)
Volume	Petrinex	float		Volume	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	float
Energy	Petrinex	nvarchar(255)		Energy	SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)	nvarchar(255)

ST Mapping MB_Well_Counts Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
Province	MB_Well_Counts	varchar(2)	(DT_STR,2,1252)"MB"		uwi_weekly_2016.xls	Text
LICENCED LOCATION	MB_Well_Counts	nvarchar(255)		LICENCED LOCATION	uwi_weekly_2016.xls	Text
SURFACE LOCATION	MB_Well_Counts	nvarchar(255)		SURFACE LOCATION	uwi_weekly_2016.xls	Text
LICENCE	MB_Well_Counts	float		LICENCE	uwi_weekly_2016.xls	Text
NAME	MB_Well_Counts	nvarchar(255)		NAME	uwi_weekly_2016.xls	Text
COMPANY	MB_Well_Counts	nvarchar(255)		COMPANY	uwi_weekly_2016.xls	Text
UWI	MB_Well_Counts	nvarchar(255)		UWI	uwi_weekly_2016.xls	Text
FIELD CODE	MB_Well_Counts	float		FIELD CODE	uwi_weekly_2016.xls	Text
POOL CODE	MB_Well_Counts	nvarchar(255)		POOL CODE	uwi_weekly_2016.xls	Text
UNIT	MB_Well_Counts	float		UNIT	uwi_weekly_2016.xls	Text
MULTI COMP	MB_Well_Counts	nvarchar(255)		MULTI COMP	uwi_weekly_2016.xls	Text
CURRENT STATUS	MB_Well_Counts	nvarchar(255)		CURRENT STATUS	uwi_weekly_2016.xls	Text
WELL STATUS DATE	MB_Well_Counts	nvarchar(255)		WELL STATUS DATE	uwi_weekly_2016.xls	Text
UWI STATUS	MB_Well_Counts	nvarchar(255)		UWI STATUS	uwi_weekly_2016.xls	Text
UWI STATUS DATE	MB_Well_Counts	nvarchar(255)		UWI STATUS DATE	uwi_weekly_2016.xls	Text
MINERAL RIGHTS	MB_Well_Counts	nvarchar(255)		MINERAL RIGHTS	uwi_weekly_2016.xls	Text
DEVIATION	MB_Well_Counts	nvarchar(255)		DEVIATION	uwi_weekly_2016.xls	Text

ST Mapping BCOGC_Production Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
ID	BCOGC_Production	int	Auto generated (seed:1, increment:1)		BC_PY2015_Production (DataCentral_BC.accdb)	int
Wa_num	BCOGC_Production	int		Wa_num	BC_PY2015_Production (DataCentral_BC.accdb)	int
Compltn_event_seq	BCOGC_Production	nvarchar(255)		Compltn_event_seq	BC_PY2015_Production (DataCentral_BC.accdb)	nvarchar(255)
Prod_period	BCOGC_Production	int		Prod_period	BC_PY2015_Production (DataCentral_BC.accdb)	int
UWI	BCOGC_Production	nvarchar(255)		UWI	BC_PY2015_Production (DataCentral_BC.accdb)	nvarchar(255)
Area_code	BCOGC_Production	int		Area_code	BC_PY2015_Production (DataCentral_BC.accdb)	int
Formtn_code	BCOGC_Production	int		Formtn_code	BC_PY2015_Production (DataCentral_BC.accdb)	int
Pool_seq	BCOGC_Production	nvarchar(255)		Pool_seq	BC_PY2015_Production (DataCentral_BC.accdb)	nvarchar(255)
Gas_prod_vol(e3m3)	BCOGC_Production	float		Gas_prod_vol (e3m3)	BC_PY2015_Production (DataCentral_BC.accdb)	float
Oil_prod_vol(m3)	BCOGC_Production	float		Oil_prod_vol (m3)	BC_PY2015_Production (DataCentral_BC.accdb)	float
Water_prod_vol(m3)	BCOGC_Production	float		Water_prod_vol (m3)	BC_PY2015_Production (DataCentral_BC.accdb)	float
Cond_prod_vol(m3)	BCOGC_Production	float		Cond_prod_vol (m3)	BC_PY2015_Production (DataCentral_BC.accdb)	float
Prod_days	BCOGC_Production	float		Prod_days	BC_PY2015_Production (DataCentral_BC.accdb)	float
Gas_prod_cum(e3m3)	BCOGC_Production	float		Gas_prod_cum (e3m3)	BC_PY2015_Production (DataCentral_BC.accdb)	float
Oil_prod_cum(m3)	BCOGC_Production	float		Oil_prod_cum (m3)	BC_PY2015_Production (DataCentral_BC.accdb)	float
Water_prod_cum(m3)	BCOGC_Production	float		Water_prod_cum (m3)	BC_PY2015_Production (DataCentral_BC.accdb)	float
Cond_prod_cum(m3)	BCOGC_Production	float		Cond_prod_cum (m3)	BC_PY2015_Production (DataCentral_BC.accdb)	float
Project_code	BCOGC_Production	nvarchar(255)		Project_code	BC_PY2015_Production (DataCentral_BC.accdb)	nvarchar(255)

ST Mapping BCOGC_Clients

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
Client Id	BCOGC_Clients	int		Client Id	BC_PY2015_Clients (DataCentral_BC.accdb)	int
Client Name	BCOGC_Clients	nvarchar(255)		Client Name	BC_PY2015_Clients (DataCentral_BC.accdb)	nvarchar(255)
Client Abbrev	BCOGC_Clients	nvarchar(255)		Client Abbrev	BC_PY2015_Clients (DataCentral_BC.accdb)	nvarchar(255)
Client Eff Period	BCOGC_Clients	int		Client Eff Period	BC_PY2015_Clients (DataCentral_BC.accdb)	int

ST Mapping BCOGC_Well_index Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
ID	BCOGC_Well_index	int		ID	BC_PY2015_Well_index (DataCentral_BC.accdb)	int
WA	BCOGC_Well_index	int		WA	BC_PY2015_Well_index (DataCentral_BC.accdb)	int
Well Name	BCOGC_Well_index	nvarchar(255)		Well Name	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)
Bottom Hole	BCOGC_Well_index	nvarchar(255)		Bottom Hole	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)
R	BCOGC_Well_index	nvarchar(255)		R	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)
Mode	BCOGC_Well_index	nvarchar(255)		Mode	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)
Fluid	BCOGC_Well_index	nvarchar(255)		Fluid	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)
Oper	BCOGC_Well_index	nvarchar(255)		Oper	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)
DE	BCOGC_Well_index	nvarchar(255)		DE	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)
RR Date	BCOGC_Well_index	int		RR Date	BC_PY2015_Well_index (DataCentral_BC.accdb)	int
Area	BCOGC_Well_index	nvarchar(255)		Area	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)
Form	BCOGC_Well_index	nvarchar(255)		Form	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)
Pool Seq	BCOGC_Well_index	nvarchar(255)		Pool Seq	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)
Pr	BCOGC_Well_index	nvarchar(255)		Pr	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)
CE	BCOGC_Well_index	nvarchar(255)		CE	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)
Status	BCOGC_Well_index	nvarchar(255)		Status	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)
Fluid 2	BCOGC_Well_index	nvarchar(255)		Fluid 2	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)
mode 2	BCOGC_Well_index	nvarchar(255)		mode 2	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)
UWI	BCOGC_Well_index	nvarchar(255)		UWI	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)
Clas	BCOGC_Well_index	nvarchar(255)		Clas	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)
IP	BCOGC_Well_index	int		IP	BC_PY2015_Well_index (DataCentral_BC.accdb)	int
Last P	BCOGC_Well_index	int		Last P	BC_PY2015_Well_index (DataCentral_BC.accdb)	int
CF	BCOGC_Well_index	nvarchar(255)		CF	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)
Conf Rels Date	BCOGC_Well_index	nvarchar(255)		Conf Rels Date	BC_PY2015_Well_index (DataCentral_BC.accdb)	nvarchar(255)

ST Mapping BCOGC_Wells Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
ID	BCOGC_Wells	int		ID	BC_PY2015_Wells (DataCentral_BC.accdb)	int
Well Surf Loc	BCOGC_Wells	nvarchar(255)		Well Surf Loc	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Well Name	BCOGC_Wells	nvarchar(255)		Well Name	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
WA Num	BCOGC_Wells	int		WA Num	BC_PY2015_Wells (DataCentral_BC.accdb)	int
Surf Nad27 Lat	BCOGC_Wells	float		Surf Nad27 Lat	BC_PY2015_Wells (DataCentral_BC.accdb)	float
Surf Nad27 Long	BCOGC_Wells	float		Surf Nad27 Long	BC_PY2015_Wells (DataCentral_BC.accdb)	float
Surf Nad83 Lat	BCOGC_Wells	float		Surf Nad83 Lat	BC_PY2015_Wells (DataCentral_BC.accdb)	float
Surf Nad83 Long	BCOGC_Wells	float		Surf Nad83 Long	BC_PY2015_Wells (DataCentral_BC.accdb)	float
Surf UTM Zone Num	BCOGC_Wells	float		Surf UTM Zone Num	BC_PY2015_Wells (DataCentral_BC.accdb)	float
Surf UTM83 Northng	BCOGC_Wells	float		Surf UTM83 Northng	BC_PY2015_Wells (DataCentral_BC.accdb)	float
Surf UTM83 Eastng	BCOGC_Wells	float		Surf UTM83 Eastng	BC_PY2015_Wells (DataCentral_BC.accdb)	float
Surf North	BCOGC_Wells	float		Surf North	BC_PY2015_Wells (DataCentral_BC.accdb)	float
Surf East	BCOGC_Wells	float		Surf East	BC_PY2015_Wells (DataCentral_BC.accdb)	float
Surf Owner	BCOGC_Wells	nvarchar(255)		Surf Owner	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Ground Elevtn	BCOGC_Wells	float		Ground Elevtn	BC_PY2015_Wells (DataCentral_BC.accdb)	float
Directional Flag	BCOGC_Wells	nvarchar(255)		Directional Flag	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Surf Ref Corner	BCOGC_Wells	nvarchar(255)		Surf Ref Corner	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Surf Ref Unit	BCOGC_Wells	nvarchar(255)		Surf Ref Unit	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Surf Ref Block	BCOGC_Wells	nvarchar(255)		Surf Ref Block	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Surf Ref Map	BCOGC_Wells	nvarchar(255)		Surf Ref Map	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Surf Ref Lsd	BCOGC_Wells	nvarchar(255)		Surf Ref Lsd	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Surf Ref Sect	BCOGC_Wells	nvarchar(255)		Surf Ref Sect	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Surf Ref Twp	BCOGC_Wells	nvarchar(255)		Surf Ref Twp	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Surf Ref Range	BCOGC_Wells	nvarchar(255)		Surf Ref Range	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Surf DLS Exception	BCOGC_Wells	nvarchar(255)		Surf DLS Exception	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Surf Lsd	BCOGC_Wells	nvarchar(255)		Surf Lsd	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Surf Sect	BCOGC_Wells	nvarchar(255)		Surf Sect	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Surf Twp	BCOGC_Wells	nvarchar(255)		Surf Twp	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Surf Range	BCOGC_Wells	nvarchar(255)		Surf Range	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Surf Qtr Unit	BCOGC_Wells	nvarchar(255)		Surf Qtr Unit	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Surf NTS Exception	BCOGC_Wells	nvarchar(255)		Surf NTS Exception	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Surf Unit	BCOGC_Wells	nvarchar(255)		Surf Unit	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Surf Block	BCOGC_Wells	nvarchar(255)		Surf Block	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Surf Map	BCOGC_Wells	nvarchar(255)		Surf Map	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Oper Id	BCOGC_Wells	int		Oper id	BC_PY2015_Wells (DataCentral_BC.accdb)	int
Oper Abbrev	BCOGC_Wells	nvarchar(255)		Oper Abbrev	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Oper Abbrev2	BCOGC_Wells	nvarchar(255)		Oper Abbrev2	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Optnl Unit	BCOGC_Wells	nvarchar(255)		Optnl Unit	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Well Area Name	BCOGC_Wells	nvarchar(255)		Well Area Name	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Well Name Date	BCOGC_Wells	int		Well Name Date	BC_PY2015_Wells (DataCentral_BC.accdb)	int
Special Well Class Code	BCOGC_Wells	nvarchar(255)		Special Well Class Code	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)
Test Hole	BCOGC_Wells	nvarchar(255)		Test Hole	BC_PY2015_Wells (DataCentral_BC.accdb)	nvarchar(255)

ST Mapping BC_Short_term_approvals Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
Province	BC_Short_term_approvals	varchar(2)			CAPP_BCOGC_STWU_2015.xlsx	Text
OGC_FILE_N	BC_Short_term_approvals	float		OGC_FILE_N	CAPP_BCOGC_STWU_2015.xlsx	Text
CLIENT_NAME	BC_Short_term_approvals	nvarchar(255)		CLIENT_NAME	CAPP_BCOGC_STWU_2015.xlsx	Text
SEC8_EFF_D	BC_Short_term_approvals	datetime		SEC8_EFF_D	CAPP_BCOGC_STWU_2015.xlsx	Text
SEC8_TERM_	BC_Short_term_approvals	datetime		SEC8_TERM_	CAPP_BCOGC_STWU_2015.xlsx	Text
CANCEL_DAT	BC_Short_term_approvals	nvarchar(255)		CANCEL_DAT	CAPP_BCOGC_STWU_2015.xlsx	Text
POD_NUM	BC_Short_term_approvals	nvarchar(255)		POD_NUM	CAPP_BCOGC_STWU_2015.xlsx	Text
UTM_ZONE	BC_Short_term_approvals	float		UTM_ZONE	CAPP_BCOGC_STWU_2015.xlsx	Text
UTM83_EAST	BC_Short_term_approvals	float		UTM83_EAST	CAPP_BCOGC_STWU_2015.xlsx	Text
UTM83_NORT	BC_Short_term_approvals	float		UTM83_NORT	CAPP_BCOGC_STWU_2015.xlsx	Text
WATER_SOURCE	BC_Short_term_approvals	nvarchar(255)		WATER_SOURCE	CAPP_BCOGC_STWU_2015.xlsx	Text
WATER_SO_1	BC_Short_term_approvals	nvarchar(255)		WATER_SO_1	CAPP_BCOGC_STWU_2015.xlsx	Text
VOL_PER_DAY_APPROVAL	BC_Short_term_approvals	float		VOL_PER_DAY_APPROVAL	CAPP_BCOGC_STWU_2015.xlsx	Text
Total_Volume_Approval	BC_Short_term_approvals	float		Total_Volume_Approval	CAPP_BCOGC_STWU_2015.xlsx	Text
EXTRACT_VOLUME	BC_Short_term_approvals	float		EXTRACT_VOLUME	CAPP_BCOGC_STWU_2015.xlsx	Text
REPORT_PER	BC_Short_term_approvals	float		REPORT_PER	CAPP_BCOGC_STWU_2015.xlsx	Text
F16	BC_Short_term_approvals	nvarchar(255)			CAPP_BCOGC_STWU_2015.xlsx	Text

ST Mapping BC_Water_Licenses Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	File Name / Excel Name/CSV Name	Data type
Province	BC_Water_Licenses	varchar(2)	(DT_STR,2,1252)"BC"		CAPP_Section8_2014.xlsx	Text
OGC_FILE_N	BC_Water_Licenses	float		OGC_FILE_N	CAPP_Section8_2014.xlsx	Text
CLIENT_NAM	BC_Water_Licenses	nvarchar(255)		CLIENT_NAM	CAPP_Section8_2014.xlsx	Text
SEC8_EFF_D	BC_Water_Licenses	datetime		SEC8_EFF_D	CAPP_Section8_2014.xlsx	Text
SEC8_TERM_	BC_Water_Licenses	datetime		SEC8_TERM_	CAPP_Section8_2014.xlsx	Text
CANCEL_DAT	BC_Water_Licenses	datetime		CANCEL_DAT	CAPP_Section8_2014.xlsx	Text
POD_NUM	BC_Water_Licenses	float		POD_NUM	CAPP_Section8_2014.xlsx	Text
UTM83_EAST	BC_Water_Licenses	float		UTM83_EAST	CAPP_Section8_2014.xlsx	Text
UTM83_NORT	BC_Water_Licenses	float		UTM83_NORT	CAPP_Section8_2014.xlsx	Text
WATER_SOUR	BC_Water_Licenses	nvarchar(255)		WATER_SOUR	CAPP_Section8_2014.xlsx	Text
WATER_SO_1	BC_Water_Licenses	nvarchar(255)		WATER_SO_1	CAPP_Section8_2014.xlsx	Text
VOL_PER_DAY_APPROVAL	BC_Water_Licenses	float		VOL_PER_DAY_APPROVAL	CAPP_Section8_2014.xlsx	Text
Total_Volume_Approval	BC_Water_Licenses	float		Total_Volume_Approval	CAPP_Section8_2014.xlsx	Text
EXTRACT_VOLUME	BC_Water_Licenses	float		EXTRACT_VOLUME	CAPP_Section8_2014.xlsx	Text
REPORT_PER	BC_Water_Licenses	float		REPORT_PER	CAPP_Section8_2014.xlsx	Text

ST Mapping Manitoba_Water_Production Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
ID	Manitoba_Water_Production	int		ID	Nfld_OGW (DataCentral_MB_NFLD.accdb)	int
Province	Manitoba_Water_Production	nvarchar(10)		Province	Nfld_OGW (DataCentral_MB_NFLD.accdb)	nvarchar(10)
Capp_Member_Name	Manitoba_Water_Production	nvarchar(255)		Capp_Member_Name	Nfld_OGW (DataCentral_MB_NFLD.accdb)	nvarchar(255)
Yr	Manitoba_Water_Production	nvarchar(255)		Yr	Nfld_OGW (DataCentral_MB_NFLD.accdb)	nvarchar(255)
Field	Manitoba_Water_Production	nvarchar(255)		Field	Nfld_OGW (DataCentral_MB_NFLD.accdb)	nvarchar(255)
Reservoir	Manitoba_Water_Production	nvarchar(255)		Reservoir	Nfld_OGW (DataCentral_MB_NFLD.accdb)	nvarchar(255)
Oil_m3	Manitoba_Water_Production	float		Oil_m3	Nfld_OGW (DataCentral_MB_NFLD.accdb)	float
Gas_em3	Manitoba_Water_Production	float		Gas_em3	Nfld_OGW (DataCentral_MB_NFLD.accdb)	float
Water_m3	Manitoba_Water_Production	float		Water_m3	Nfld_OGW (DataCentral_MB_NFLD.accdb)	float

ST Mapping WSA_Water_Use_Temp_Lic_and_Term_Licences Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
Province	WSA_Water_Use_Temp_Lic_and_Term_Licences	varchar(2)	(DT_STR,2,1252)"SK"		SK_PY2015_TempLicence.xlsx	Text
Temp_Licence	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		Temp_Licence	SK_PY2015_TempLicence.xlsx	Text
Source Desc	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		Source Desc	SK_PY2015_TempLicence.xlsx	Text
Source	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		Source	SK_PY2015_TempLicence.xlsx	Text
Purpose	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		Purpose	SK_PY2015_TempLicence.xlsx	Text
Type	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		Type	SK_PY2015_TempLicence.xlsx	Text
NewPurpose	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		NewPurpose	SK_PY2015_TempLicence.xlsx	Text
NewType	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		NewType	SK_PY2015_TempLicence.xlsx	Text
Alloc	WSA_Water_Use_Temp_Lic_and_Term_Licences	float		Alloc	SK_PY2015_TempLicence.xlsx	Text
Losses	WSA_Water_Use_Temp_Lic_and_Term_Licences	float		Losses	SK_PY2015_TempLicence.xlsx	Text
Year	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		Year	SK_PY2015_TempLicence.xlsx	Text
Use Dam3	WSA_Water_Use_Temp_Lic_and_Term_Licences	float		Use Dam3	SK_PY2015_TempLicence.xlsx	Text
Est/Use	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		Est/Use	SK_PY2015_TempLicence.xlsx	Text
Data Source	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		Data Source	SK_PY2015_TempLicence.xlsx	Text
WS Name	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		WS Name	SK_PY2015_TempLicence.xlsx	Text
WS Num	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		WS Num	SK_PY2015_TempLicence.xlsx	Text
Source WS	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		Source WS	SK_PY2015_TempLicence.xlsx	Text
O/S Srce	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		O/S Srce	SK_PY2015_TempLicence.xlsx	Text
Contrib	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		Contrib	SK_PY2015_TempLicence.xlsx	Text
NTS	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		NTS	SK_PY2015_TempLicence.xlsx	Text
SubBasin	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		SubBasin	SK_PY2015_TempLicence.xlsx	Text
RM	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		RM	SK_PY2015_TempLicence.xlsx	Text
Land_Loc	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		Land_Loc	SK_PY2015_TempLicence.xlsx	Text
WSA Region	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)		WSA Region	SK_PY2015_TempLicence.xlsx	Text
F24	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)				
F25	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)				
F26	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)				
F27	WSA_Water_Use_Temp_Lic_and_Term_Licences	nvarchar(255)				

ST Mapping WURS_Approval_Holders Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
APV_ID	WURS_Approval_Holders	decimal(8, 0)		APV_ID	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
STAKEHOLDER_ID	WURS_Approval_Holders	decimal(8, 0)		STAKEHOLDER_ID	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
MASTER_STAKEHOLDER_ID	WURS_Approval_Holders	decimal(8, 0)		MASTER_STAKEHOLDER_ID	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
STATUS_INDICATOR	WURS_Approval_Holders	nvarchar(1)		STATUS_INDICATOR	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(1)
SUB_TYPE	WURS_Approval_Holders	nvarchar(1)		SUB_TYPE	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(1)
LAST_NAME	WURS_Approval_Holders	nvarchar(25)		LAST_NAME	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(25)
PHONETIC_LAST_NAME	WURS_Approval_Holders	nvarchar(12)		PHONETIC_LAST_NAME	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(12)
FIRST_NAME	WURS_Approval_Holders	nvarchar(16)		FIRST_NAME	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(16)
PHONETIC_FIRST_NAME	WURS_Approval_Holders	nvarchar(8)		PHONETIC_FIRST_NAME	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(8)
MIDDLE_INITIALS	WURS_Approval_Holders	nvarchar(5)		MIDDLE_INITIALS	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(5)
HONORIFIC_ABBREVIATION	WURS_Approval_Holders	nvarchar(5)		HONORIFIC_ABBREVIATION	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(5)
SUFFIX_ABBREVIATION	WURS_Approval_Holders	nvarchar(5)		SUFFIX_ABBREVIATION	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(5)
ORGANIZATION_NAME	WURS_Approval_Holders	nvarchar(60)		ORGANIZATION_NAME	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(60)
PHONETIC_ORGANIZATION_NAME	WURS_Approval_Holders	nvarchar(28)		PHONETIC_ORGANIZATION_NAME	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(28)
ORGANIZATION_UNIT_TYPE_CODE	WURS_Approval_Holders	nvarchar(3)		ORGANIZATION_UNIT_TYPE_CODE	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(3)
DEPARTMENT_FLAG	WURS_Approval_Holders	nvarchar(1)		DEPARTMENT_FLAG	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(1)
PARENT_ORGUNIT_STAKEHOLDER_ID	WURS_Approval_Holders	decimal(8, 0)		PARENT_ORGUNIT_STAKEHOLDER_ID	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
PREFERRED_ADDRESS_ID	WURS_Approval_Holders	decimal(8, 0)		PREFERRED_ADDRESS_ID	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
STATUS_CHANGE_REASON_TEXT	WURS_Approval_Holders	nvarchar(40)		STATUS_CHANGE_REASON_TEXT	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(40)
STATUS_CHANGE_DATE	WURS_Approval_Holders	datetime		STATUS_CHANGE_DATE	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	datetime
COMMENT_TEXT	WURS_Approval_Holders	nvarchar(MAX)		COMMENT_TEXT	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(MAX)
DUPLICATION_INDICATOR	WURS_Approval_Holders	nvarchar(1)		DUPLICATION_INDICATOR	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(1)
POSTING_FLAG	WURS_Approval_Holders	nvarchar(1)		POSTING_FLAG	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(1)
STAKEHOLDER_SORT_NAME	WURS_Approval_Holders	nvarchar(60)		STAKEHOLDER_SORT_NAME	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(60)
MIXED_LAST_NAME	WURS_Approval_Holders	nvarchar(25)		MIXED_LAST_NAME	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(25)
MIXED_FIRST_NAME	WURS_Approval_Holders	nvarchar(16)		MIXED_FIRST_NAME	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(16)
MIXED_HONORIFIC_ABBREVIATION	WURS_Approval_Holders	nvarchar(5)		MIXED_HONORIFIC_ABBREVIATION	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(5)
MIXED_SUFFIX_ABBREVIATION	WURS_Approval_Holders	nvarchar(5)		MIXED_SUFFIX_ABBREVIATION	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(5)
MIXED_ORGANIZATION_NAME	WURS_Approval_Holders	nvarchar(60)		MIXED_ORGANIZATION_NAME	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(60)
STATUS_CHANGE_USERID	WURS_Approval_Holders	nvarchar(30)		STATUS_CHANGE_USERID	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(30)
CREATE_TIMESTAMP	WURS_Approval_Holders	datetime		CREATE_TIMESTAMP	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	datetime
CREATE_USERID	WURS_Approval_Holders	nvarchar(30)		CREATE_USERID	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(30)
UPDATE_TIMESTAMP	WURS_Approval_Holders	datetime		UPDATE_TIMESTAMP	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	datetime
UPDATE_USERID	WURS_Approval_Holders	nvarchar(30)		UPDATE_USERID	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	nvarchar(30)
REC_CERT_ADDRESS_ID	WURS_Approval_Holders	decimal(8, 0)		REC_CERT_ADDRESS_ID	t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)

ST Mapping WURS_approvals Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
CREATE_USERID	WURS_approvals	nvarchar(30)		CREATE_USERID	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	nvarchar(30)
UPDATE_USERID	WURS_approvals	nvarchar(30)		UPDATE_USERID	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	nvarchar(30)
UPDATE_TIMESTAMP	WURS_approvals	datetime		UPDATE_TIMESTAMP	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	datetime
UNDER_APPEAL_FLAG	WURS_approvals	nvarchar(1)		UNDER_APPEAL_FLAG	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	nvarchar(1)
POSTING_FLAG	WURS_approvals	nvarchar(1)		POSTING_FLAG	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	nvarchar(1)
MASTER_APV_ID	WURS_approvals	decimal(8, 0)		MASTER_APV_ID	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	decimal(8, 0)
SUB_SUB_TYPE	WURS_approvals	nvarchar(1)		SUB_SUB_TYPE	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	nvarchar(1)
OPR_ID	WURS_approvals	decimal(8, 0)		OPR_ID	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	decimal(8, 0)
EFFECTIVE_DATE	WURS_approvals	datetime		EFFECTIVE_DATE	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	datetime
RENEWAL_ALLOWED_FLAG	WURS_approvals	nvarchar(1)		RENEWAL_ALLOWED_FLAG	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	nvarchar(1)
STATUS_COMMENT	WURS_approvals	nvarchar(MAX)		STATUS_COMMENT	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	nvarchar(MAX)
COMMENT_TEXT	WURS_approvals	nvarchar(MAX)		COMMENT_TEXT	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	nvarchar(MAX)
CREATE_TIMESTAMP	WURS_approvals	datetime		CREATE_TIMESTAMP	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	datetime
APV_APL_SEQ_NUMBER	WURS_approvals	decimal(3, 0)		APV_APL_SEQ_NUMBER	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	decimal(3, 0)
APV_ID	WURS_approvals	decimal(8, 0)		APV_ID	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	decimal(8, 0)
APV_SEQ_NUMBER	WURS_approvals	decimal(2, 0)		APV_SEQ_NUMBER	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	decimal(2, 0)
APV_AMEND_SEQ_NUMBER	WURS_approvals	decimal(2, 0)		APV_AMEND_SEQ_NUMBER	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	decimal(2, 0)
NAME	WURS_approvals	nvarchar(255)		NAME	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	nvarchar(255)
MANUAL_APV_NUMBER	WURS_approvals	nvarchar(15)		MANUAL_APV_NUMBER	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	nvarchar(15)
MASTER_APV_SEQ_NUMBER	WURS_approvals	decimal(2, 0)		MASTER_APV_SEQ_NUMBER	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	decimal(2, 0)
SUB_TYPE	WURS_approvals	nvarchar(1)		SUB_TYPE	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	nvarchar(1)
STATUS_INDICATOR	WURS_approvals	nvarchar(2)		STATUS_INDICATOR	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	nvarchar(2)
APPROVED_DATE	WURS_approvals	datetime2(6)		APPROVED_DATE	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	datetime2(6)
EXPIRY_DATE	WURS_approvals	datetime2(6)		EXPIRY_DATE	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	datetime2(6)
STATUS_DATE	WURS_approvals	datetime2(6)		STATUS_DATE	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	datetime2(6)
TRANSITIONAL_APV_FLAG	WURS_approvals	nvarchar(1)		TRANSITIONAL_APV_FLAG	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	nvarchar(1)
APV_APL_ID	WURS_approvals	decimal(8, 0)		APV_APL_ID	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	decimal(8, 0)
APV_DOCUMENT_TYPE_CODE	WURS_approvals	nvarchar(5)		APV_DOCUMENT_TYPE_CODE	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	nvarchar(5)
NOTICE_OF_DECISION_INDICATOR	WURS_approvals	nvarchar(4)		NOTICE_OF_DECISION_INDICATOR	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	nvarchar(4)
NOTICE_POSTING_TIME	WURS_approvals	decimal(2, 0)		NOTICE_POSTING_TIME	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	decimal(2, 0)
COMMENT_IS_RESTRICTION	WURS_approvals	nvarchar(1)		COMMENT_IS_RESTRICTION	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	nvarchar(1)
TEMP_SUBMISSION_NOTES	WURS_approvals	nvarchar(MAX)		TEMP_SUBMISSION_NOTES	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	nvarchar(MAX)
WUR_CONDITIONS_FLAG	WURS_approvals	nvarchar(1)		WUR_CONDITIONS_FLAG	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	nvarchar(1)
APV_REPORT_CLASSIFICATION_ID	WURS_approvals	decimal(8, 0)		APV_REPORT_CLASSIFICATION_ID	t_chief_dba_apvs (DataCentral_WURS_EMS_DB.acddb)	decimal(8, 0)

ST Mapping WURS_OPERATION_SPECIFIC_ACTIVITIES Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
OPR_SPECIFIC_ACTIVITY_ID	WURS_OPERATION_SPECIFIC_ACTIVITIES	decimal(8,0)		OPR_SPECIFIC_ACTIVITY_ID	t_CHIEF_DBA_OPR_SPECIFIC_ACTIVITIES (DataCentral_WURS_EMS_DB.accdb)	decimal(8,0)
OPR_ID	WURS_OPERATION_SPECIFIC_ACTIVITIES	decimal(8,0)		OPR_ID	t_CHIEF_DBA_OPR_SPECIFIC_ACTIVITIES (DataCentral_WURS_EMS_DB.accdb)	decimal(8,0)
CHIEF_DBA_SPECIFIC_ACTIVITIES_SPECIFIC_ACTIVITY_CODE	WURS_OPERATION_SPECIFIC_ACTIVITIES	nvarchar(8)		CHIEF_DBA_SPECIFIC_ACTIVITIES_SPECIFIC_ACTIVITY_CODE	t_CHIEF_DBA_OPR_SPECIFIC_ACTIVITIES (DataCentral_WURS_EMS_DB.accdb)	nvarchar(8)
ADD_APV_ID	WURS_OPERATION_SPECIFIC_ACTIVITIES	decimal(8,0)		ADD_APV_ID	t_CHIEF_DBA_OPR_SPECIFIC_ACTIVITIES (DataCentral_WURS_EMS_DB.accdb)	decimal(8,0)
ADD_APV_SEQ_NUMBER	WURS_OPERATION_SPECIFIC_ACTIVITIES	decimal(2,0)		ADD_APV_SEQ_NUMBER	t_CHIEF_DBA_OPR_SPECIFIC_ACTIVITIES (DataCentral_WURS_EMS_DB.accdb)	decimal(2,0)
ADD_APV_AMEND_SEQ_NUMBER	WURS_OPERATION_SPECIFIC_ACTIVITIES	decimal(2,0)		ADD_APV_AMEND_SEQ_NUMBER	t_CHIEF_DBA_OPR_SPECIFIC_ACTIVITIES (DataCentral_WURS_EMS_DB.accdb)	decimal(2,0)
ADD_DATE	WURS_OPERATION_SPECIFIC_ACTIVITIES	datetime		ADD_DATE	t_CHIEF_DBA_OPR_SPECIFIC_ACTIVITIES (DataCentral_WURS_EMS_DB.accdb)	datetime
ADD_REASON_INDICATOR	WURS_OPERATION_SPECIFIC_ACTIVITIES	nvarchar(1)		ADD_REASON_INDICATOR	t_CHIEF_DBA_OPR_SPECIFIC_ACTIVITIES (DataCentral_WURS_EMS_DB.accdb)	nvarchar(1)
DELETE_APV_ID	WURS_OPERATION_SPECIFIC_ACTIVITIES	decimal(8,0)		DELETE_APV_ID	t_CHIEF_DBA_OPR_SPECIFIC_ACTIVITIES (DataCentral_WURS_EMS_DB.accdb)	decimal(8,0)
DELETE_APV_SEQ_NUMBER	WURS_OPERATION_SPECIFIC_ACTIVITIES	decimal(2,0)		DELETE_APV_SEQ_NUMBER	t_CHIEF_DBA_OPR_SPECIFIC_ACTIVITIES (DataCentral_WURS_EMS_DB.accdb)	decimal(2,0)
DELETE_APV_AMEND_SEQ_NUMBER	WURS_OPERATION_SPECIFIC_ACTIVITIES	decimal(2,0)		DELETE_APV_AMEND_SEQ_NUMBER	t_CHIEF_DBA_OPR_SPECIFIC_ACTIVITIES (DataCentral_WURS_EMS_DB.accdb)	decimal(2,0)
DELETE_DATE	WURS_OPERATION_SPECIFIC_ACTIVITIES	datetime		DELETE_DATE	t_CHIEF_DBA_OPR_SPECIFIC_ACTIVITIES (DataCentral_WURS_EMS_DB.accdb)	datetime
DELETE_REASON_INDICATOR	WURS_OPERATION_SPECIFIC_ACTIVITIES	nvarchar(1)		DELETE_REASON_INDICATOR	t_CHIEF_DBA_OPR_SPECIFIC_ACTIVITIES (DataCentral_WURS_EMS_DB.accdb)	nvarchar(1)
CREATE_TIMESTAMP	WURS_OPERATION_SPECIFIC_ACTIVITIES	datetime		CREATE_TIMESTAMP	t_CHIEF_DBA_OPR_SPECIFIC_ACTIVITIES (DataCentral_WURS_EMS_DB.accdb)	datetime
CREATE_USERID	WURS_OPERATION_SPECIFIC_ACTIVITIES	nvarchar(30)		CREATE_USERID	t_CHIEF_DBA_OPR_SPECIFIC_ACTIVITIES (DataCentral_WURS_EMS_DB.accdb)	nvarchar(30)
UPDATE_TIMESTAMP	WURS_OPERATION_SPECIFIC_ACTIVITIES	datetime		UPDATE_TIMESTAMP	t_CHIEF_DBA_OPR_SPECIFIC_ACTIVITIES (DataCentral_WURS_EMS_DB.accdb)	datetime
UPDATE_USERID	WURS_OPERATION_SPECIFIC_ACTIVITIES	nvarchar(30)		UPDATE_USERID	t_CHIEF_DBA_OPR_SPECIFIC_ACTIVITIES (DataCentral_WURS_EMS_DB.accdb)	nvarchar(30)

ST Mapping WURS_water_allocation_priorities Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
WATER_ALLOCATION_ID	WURS_water_allocation_priorities	decimal(8, 0)		WATER_ALLOCATION_ID	t_chief_dba_water_alloc_priorities (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
PRIORITY	WURS_water_allocation_priorities	nvarchar(255)		PRIORITY	t_chief_dba_water_alloc_priorities (DataCentral_WURS_EMS_DB.accdb)	nvarchar(255)

ST Mapping WURS_water_allocations Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
WATER_ALLOCATION_ID	WURS_water_allocations	decimal(8, 0)		WATER_ALLOCATION_ID	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(8, 0)
WATER_ALLOCATION_TYPE	WURS_water_allocations	nvarchar(2)		WATER_ALLOCATION_TYPE	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(2)
CONSUMPTIVE_USE	WURS_water_allocations	decimal(12, 2)		CONSUMPTIVE_USE	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(12, 2)
WATER_BODY_ID_AFFECTED	WURS_water_allocations	decimal(8, 0)		WATER_BODY_ID_AFFECTED	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(8, 0)
WATER_BODY_ID_RETURNED	WURS_water_allocations	decimal(8, 0)		WATER_BODY_ID_RETURNED	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(8, 0)
RIVER_SUB_BASIN_CODE_AFFECTED	WURS_water_allocations	nvarchar(4)		RIVER_SUB_BASIN_CODE_AFFECTED	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(4)
RIVER_SUB_BASIN_CODE_RETURNED	WURS_water_allocations	nvarchar(4)		RIVER_SUB_BASIN_CODE_RETURNED	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(4)
OPR_SPECIFIC_ACTIVITY_ID	WURS_water_allocations	decimal(8, 0)		OPR_SPECIFIC_ACTIVITY_ID	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(8, 0)
APL_SPECIFIC_ACTIVITY_ID	WURS_water_allocations	decimal(8, 0)		APL_SPECIFIC_ACTIVITY_ID	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(8, 0)
OPR_APL_SPECIFIC_ACTIVITY_ID	WURS_water_allocations	decimal(8, 0)		OPR_APL_SPECIFIC_ACTIVITY_ID	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(8, 0)
STATUS_INDICATOR	WURS_water_allocations	nvarchar(2)		STATUS_INDICATOR	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(2)
RETURN_FLOW	WURS_water_allocations	decimal(12, 2)		RETURN_FLOW	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(12, 2)
LOSSES	WURS_water_allocations	decimal(12, 2)		LOSSES	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(12, 2)
IRRIGABLE_AREA	WURS_water_allocations	decimal(10, 2)		IRRIGABLE_AREA	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(10, 2)
DIVERSION_TYPE	WURS_water_allocations	nvarchar(4)		DIVERSION_TYPE	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(4)
DIVERSION_RATE	WURS_water_allocations	decimal(8, 3)		DIVERSION_RATE	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(8, 3)
DESCRIPTION	WURS_water_allocations	nvarchar(255)		DESCRIPTION	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(255)
TECH_DETAIL_EFFECTIVE_DATE	WURS_water_allocations	datetime2(7)		TECH_DETAIL_EFFECTIVE_DATE	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	datetime2(7)
DIVERSION_QUADRANT_ID	WURS_water_allocations	nvarchar(2)		DIVERSION_QUADRANT_ID	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(2)
DIVERSION_QUARTER_SECTION_ID	WURS_water_allocations	nvarchar(2)		DIVERSION_QUARTER_SECTION_ID	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(2)
DIVERSION_QUARTER_QUADRANT_ID	WURS_water_allocations	nvarchar(2)		DIVERSION_QUARTER_QUADRANT_ID	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(2)
RETURN_TOWNSHIP_NUMBER	WURS_water_allocations	decimal(3, 0)		RETURN_TOWNSHIP_NUMBER	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(3, 0)
RETURN_SECTION_NUMBER	WURS_water_allocations	decimal(2, 0)		RETURN_SECTION_NUMBER	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(2, 0)
RETURN_RANGE_NUMBER	WURS_water_allocations	decimal(2, 0)		RETURN_RANGE_NUMBER	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(2, 0)
RETURN_QUARTER_SECTION_ID	WURS_water_allocations	nvarchar(2)		RETURN_QUARTER_SECTION_ID	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(2)
RETURN_HALF_QUARTER_SECTION_ID	WURS_water_allocations	nvarchar(1)		RETURN_HALF_QUARTER_SECTION_ID	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(1)
PRODUCTION_INTERVAL_LOW_VALUE	WURS_water_allocations	decimal(6, 1)		PRODUCTION_INTERVAL_LOW_VALUE	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(6, 1)
PRODUCTION_INTERVAL_HIGH_VALUE	WURS_water_allocations	decimal(6, 1)		PRODUCTION_INTERVAL_HIGH_VALUE	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(6, 1)
DIVERSION_TOWNSHIP_NUMBER	WURS_water_allocations	decimal(3, 0)		DIVERSION_TOWNSHIP_NUMBER	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(3, 0)
DIVERSION_SECTION_NUMBER	WURS_water_allocations	decimal(2, 0)		DIVERSION_SECTION_NUMBER	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(2, 0)
RETURN_QUARTER_QUADRANT_ID	WURS_water_allocations	nvarchar(2)		RETURN_QUARTER_QUADRANT_ID	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(2)
RETURN_QUADRANT_ID	WURS_water_allocations	nvarchar(2)		RETURN_QUADRANT_ID	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(2)
RETURN_MERIDIAN_NUMBER	WURS_water_allocations	decimal(1, 0)		RETURN_MERIDIAN_NUMBER	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(1, 0)
RETURN_LEGAL_SUBDIV_NUMBER	WURS_water_allocations	decimal(2, 0)		RETURN_LEGAL_SUBDIV_NUMBER	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(2, 0)
DIVERSION_RANGE_NUMBER	WURS_water_allocations	decimal(2, 0)		DIVERSION_RANGE_NUMBER	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(2, 0)
DIVERSION_MERIDIAN_NUMBER	WURS_water_allocations	decimal(1, 0)		DIVERSION_MERIDIAN_NUMBER	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(1, 0)
DIVERSION_LEGAL_SUBDIV_NUMBER	WURS_water_allocations	decimal(2, 0)		DIVERSION_LEGAL_SUBDIV_NUMBER	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(2, 0)
DIVERSION_HALF_QUARTER_SECTION	WURS_water_allocations	nvarchar(1)		DIVERSION_HALF_QUARTER_SECTION	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(1)
DIVERSION_LATITUDE	WURS_water_allocations	decimal(10, 8)		DIVERSION_LATITUDE	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(10, 8)
DIVERSION_LONGITUDE	WURS_water_allocations	decimal(11, 8)		DIVERSION_LONGITUDE	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(11, 8)
DIVERSION_CORRECTED_FLAG	WURS_water_allocations	nvarchar(1)		DIVERSION_CORRECTED_FLAG	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(1)
RETURN_LATITUDE	WURS_water_allocations	decimal(10, 8)		RETURN_LATITUDE	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(10, 8)
RETURN_CORRECTED_FLAG	WURS_water_allocations	nvarchar(1)		RETURN_CORRECTED_FLAG	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(1)
RETURN_LONGITUDE	WURS_water_allocations	decimal(11, 8)		RETURN_LONGITUDE	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(11, 8)
CREATE_TIMESTAMP	WURS_water_allocations	datetime		CREATE_TIMESTAMP	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	datetime
CREATE_USERID	WURS_water_allocations	nvarchar(30)		CREATE_USERID	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(30)
UPDATE_USERID	WURS_water_allocations	nvarchar(30)		UPDATE_USERID	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(30)
UPDATE_TIMESTAMP	WURS_water_allocations	datetime		UPDATE_TIMESTAMP	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	datetime
TRANSFER_WATER_ALLOC_ID	WURS_water_allocations	decimal(8, 0)		TRANSFER_WATER_ALLOC_ID	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(8, 0)
TRANSFER_TYPE	WURS_water_allocations	nvarchar(5)		TRANSFER_TYPE	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(5)
DIVERSION_SITE	WURS_water_allocations	nvarchar(2)		DIVERSION_SITE	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(2)
COMMENT_TEXT	WURS_water_allocations	nvarchar(255)		COMMENT_TEXT	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	nvarchar(255)
WELL_ID	WURS_water_allocations	decimal(7, 0)		WELL_ID	t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.acddb)	decimal(7, 0)

ST Mapping WURS_chemical_measurements Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
CHEMICAL_MEASUREMENT_ID	WURS_chemical_measurements	decimal(8, 0)		CHEMICAL_MEASUREMENT_ID	t_Chief_dba_wur_chemical_measurements (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
CHEMICAL_ANALYSIS_ID	WURS_chemical_measurements	decimal(8, 0)		CHEMICAL_ANALYSIS_ID	t_Chief_dba_wur_chemical_measurements (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
CONDITION_ID	WURS_chemical_measurements	decimal(8, 0)		CONDITION_ID	t_Chief_dba_wur_chemical_measurements (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
VARIABLE_CODE	WURS_chemical_measurements	nvarchar(4)		VARIABLE_CODE	t_Chief_dba_wur_chemical_measurements (DataCentral_WURS_EMS_DB.accdb)	nvarchar(4)
MEASUREMENT_VALUE	WURS_chemical_measurements	decimal(16, 6)		MEASUREMENT_VALUE	t_Chief_dba_wur_chemical_measurements (DataCentral_WURS_EMS_DB.accdb)	decimal(16, 6)
DATA_ENTRY_METHOD_ID	WURS_chemical_measurements	decimal(8, 0)		DATA_ENTRY_METHOD_ID	t_Chief_dba_wur_chemical_measurements (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
SUBMITTER_ACCOUNT_ID	WURS_chemical_measurements	decimal(8, 0)		SUBMITTER_ACCOUNT_ID	t_Chief_dba_wur_chemical_measurements (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
SUBMITTER_COMMENT	WURS_chemical_measurements	nvarchar(80)		SUBMITTER_COMMENT	t_Chief_dba_wur_chemical_measurements (DataCentral_WURS_EMS_DB.accdb)	nvarchar(80)
CALC_COMBINATION_ID	WURS_chemical_measurements	decimal(8, 0)		CALC_COMBINATION_ID	t_Chief_dba_wur_chemical_measurements (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
VMV_CODE	WURS_chemical_measurements	decimal(6, 0)		VMV_CODE	t_Chief_dba_wur_chemical_measurements (DataCentral_WURS_EMS_DB.accdb)	decimal(6, 0)
ORIG_MEASUREMENT_VALUE	WURS_chemical_measurements	nvarchar(32)		ORIG_MEASUREMENT_VALUE	t_Chief_dba_wur_chemical_measurements (DataCentral_WURS_EMS_DB.accdb)	nvarchar(32)
MEASUREMENT_INDICATOR_FLAG	WURS_chemical_measurements	nvarchar(1)		MEASUREMENT_INDICATOR_FLAG	t_Chief_dba_wur_chemical_measurements (DataCentral_WURS_EMS_DB.accdb)	nvarchar(1)
CREATE_TIMESTAMP	WURS_chemical_measurements	datetime		CREATE_TIMESTAMP	t_Chief_dba_wur_chemical_measurements (DataCentral_WURS_EMS_DB.accdb)	datetime
UPDATE_TIMESTAMP	WURS_chemical_measurements	datetime		UPDATE_TIMESTAMP	t_Chief_dba_wur_chemical_measurements (DataCentral_WURS_EMS_DB.accdb)	datetime
CREATE_USERID	WURS_chemical_measurements	nvarchar(30)		CREATE_USERID	t_Chief_dba_wur_chemical_measurements (DataCentral_WURS_EMS_DB.accdb)	nvarchar(30)
UPDATE_USERID	WURS_chemical_measurements	nvarchar(30)		UPDATE_USERID	t_Chief_dba_wur_chemical_measurements (DataCentral_WURS_EMS_DB.accdb)	nvarchar(30)

ST Mapping WURS_CONDITIONS Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
CONDITION_ID	WURS_CONDITIONS	decimal(8, 0)		CONDITION_ID	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
REMINDER_GRACE_PERIOD	WURS_CONDITIONS	decimal(3, 0)		REMINDER_GRACE_PERIOD	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	decimal(3, 0)
MULTI_LOCATION_FLAG	WURS_CONDITIONS	nvarchar(1)		MULTI_LOCATION_FLAG	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(1)
TERMINATED_DATE	WURS_CONDITIONS	datetime		TERMINATED_DATE	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	datetime
DATA_ENTRY_PREF_CODE	WURS_CONDITIONS	nvarchar(8)		DATA_ENTRY_PREF_CODE	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(8)
NOTIFY_STAFF_PERIOD	WURS_CONDITIONS	decimal(3, 0)		NOTIFY_STAFF_PERIOD	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	decimal(3, 0)
INACTIVE_PERIOD_START_DATE	WURS_CONDITIONS	datetime		INACTIVE_PERIOD_START_DATE	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	datetime
INACTIVITY_COMMENT	WURS_CONDITIONS	nvarchar(80)		INACTIVITY_COMMENT	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(80)
MEASUREMENT_PERIOD_CODE	WURS_CONDITIONS	nvarchar(20)		MEASUREMENT_PERIOD_CODE	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(20)
SUBMISSION_FREQ_CODE	WURS_CONDITIONS	nvarchar(20)		SUBMISSION_FREQ_CODE	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(20)
LOCATION_ID	WURS_CONDITIONS	decimal(8, 0)		LOCATION_ID	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
INACTIVE_PERIOD_END_DATE	WURS_CONDITIONS	datetime		INACTIVE_PERIOD_END_DATE	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	datetime
SUBMITTER_REMINDED_COUNT_NBR	WURS_CONDITIONS	decimal(8, 0)		SUBMITTER_REMINDED_COUNT_NBR	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
STAFF_NOTIFIED_COUNT_NUMBER	WURS_CONDITIONS	decimal(8, 0)		STAFF_NOTIFIED_COUNT_NUMBER	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
CREATE_TIMESTAMP	WURS_CONDITIONS	datetime		CREATE_TIMESTAMP	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	datetime
UPDATE_TIMESTAMP	WURS_CONDITIONS	datetime		UPDATE_TIMESTAMP	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	datetime
CREATE_USERID	WURS_CONDITIONS	nvarchar(80)		CREATE_USERID	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(80)
UPDATE_USERID	WURS_CONDITIONS	nvarchar(80)		UPDATE_USERID	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(80)
CONDITION_INSTATEMENT_DATE	WURS_CONDITIONS	datetime		CONDITION_INSTATEMENT_DATE	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	datetime
VARIABLE_GROUP_CODE	WURS_CONDITIONS	nvarchar(20)		VARIABLE_GROUP_CODE	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(20)
CONDITION_TYPE	WURS_CONDITIONS	nvarchar(32)		CONDITION_TYPE	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(32)
CONDITION_NAME	WURS_CONDITIONS	nvarchar(40)		CONDITION_NAME	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(40)
TEMPLATE_ID	WURS_CONDITIONS	decimal(8, 0)		TEMPLATE_ID	t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)

ST Mapping WURS_LICENCES Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
LICENCE_ID	WURS_LICENCES	decimal(8, 0)		LICENCE_ID	t_CHIEF_DBA_WUR_LICENCES (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
ALLOW_FUTURE_INACTIVITY_FLAG	WURS_LICENCES	nvarchar(1)		ALLOW_FUTURE_INACTIVITY_FLAG	t_CHIEF_DBA_WUR_LICENCES (DataCentral_WURS_EMS_DB.accdb)	nvarchar(1)
ALLOW_ESTIMATED_METHOD_FLAG	WURS_LICENCES	nvarchar(1)		ALLOW_ESTIMATED_METHOD_FLAG	t_CHIEF_DBA_WUR_LICENCES (DataCentral_WURS_EMS_DB.accdb)	nvarchar(1)
APV_ID	WURS_LICENCES	decimal(8, 0)		APV_ID	t_CHIEF_DBA_WUR_LICENCES (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
APV_SEQUENCE_NUMBER	WURS_LICENCES	decimal(2, 0)		APV_SEQUENCE_NUMBER	t_CHIEF_DBA_WUR_LICENCES (DataCentral_WURS_EMS_DB.accdb)	decimal(2, 0)
APV_AMEND_SEQ_NUMBER	WURS_LICENCES	decimal(2, 0)		APV_AMEND_SEQ_NUMBER	t_CHIEF_DBA_WUR_LICENCES (DataCentral_WURS_EMS_DB.accdb)	decimal(2, 0)
MANDATORY_CONDITIONS_FLAG	WURS_LICENCES	nvarchar(1)		MANDATORY_CONDITIONS_FLAG	t_CHIEF_DBA_WUR_LICENCES (DataCentral_WURS_EMS_DB.accdb)	nvarchar(1)
CREATE_TIMESTAMP	WURS_LICENCES	datetime		CREATE_TIMESTAMP	t_CHIEF_DBA_WUR_LICENCES (DataCentral_WURS_EMS_DB.accdb)	datetime
UPDATE_TIMESTAMP	WURS_LICENCES	datetime		UPDATE_TIMESTAMP	t_CHIEF_DBA_WUR_LICENCES (DataCentral_WURS_EMS_DB.accdb)	datetime
CREATE_USERID	WURS_LICENCES	nvarchar(80)		CREATE_USERID	t_CHIEF_DBA_WUR_LICENCES (DataCentral_WURS_EMS_DB.accdb)	nvarchar(80)
UPDATE_USERID	WURS_LICENCES	nvarchar(80)		UPDATE_USERID	t_CHIEF_DBA_WUR_LICENCES (DataCentral_WURS_EMS_DB.accdb)	nvarchar(80)

ST Mapping WURS_LOCATIONS Table

Water_Sources_Centralization (Target)			Transformation	Source File		
Column Name	Table Name	Data Type		Column Name	Table Name / Excel Name/CSV Name	Data type
LOCATION_ID	WURS_LOCATIONS	decimal(8, 0)		LOCATION_ID	t_CHIEF_DBA_WUR_LOCATIONS (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
LOCATION_TYPE	WURS_LOCATIONS	nvarchar(9)		LOCATION_TYPE	t_CHIEF_DBA_WUR_LOCATIONS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(9)
LOCATION_DESCRIPTION	WURS_LOCATIONS	nvarchar(40)		LOCATION_DESCRIPTION	t_CHIEF_DBA_WUR_LOCATIONS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(40)
LICENCE_ID	WURS_LOCATIONS	decimal(8, 0)		LICENCE_ID	t_CHIEF_DBA_WUR_LOCATIONS (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
WATER_ALLOCATION_ID	WURS_LOCATIONS	decimal(8, 0)		WATER_ALLOCATION_ID	t_CHIEF_DBA_WUR_LOCATIONS (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
CREATE_TIMESTAMP	WURS_LOCATIONS	datetime		CREATE_TIMESTAMP	t_CHIEF_DBA_WUR_LOCATIONS (DataCentral_WURS_EMS_DB.accdb)	datetime
UPDATE_TIMESTAMP	WURS_LOCATIONS	datetime		UPDATE_TIMESTAMP	t_CHIEF_DBA_WUR_LOCATIONS (DataCentral_WURS_EMS_DB.accdb)	datetime
CREATE_USERID	WURS_LOCATIONS	nvarchar(80)		CREATE_USERID	t_CHIEF_DBA_WUR_LOCATIONS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(80)
UPDATE_USERID	WURS_LOCATIONS	nvarchar(80)		UPDATE_USERID	t_CHIEF_DBA_WUR_LOCATIONS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(80)
DATE_DRILLED	WURS_LOCATIONS	datetime		DATE_DRILLED	t_CHIEF_DBA_WUR_LOCATIONS (DataCentral_WURS_EMS_DB.accdb)	datetime
WELL_DEPTH	WURS_LOCATIONS	decimal(10, 0)		WELL_DEPTH	t_CHIEF_DBA_WUR_LOCATIONS (DataCentral_WURS_EMS_DB.accdb)	decimal(10, 0)
WELL_DEPTH_UNIT	WURS_LOCATIONS	nvarchar(32)		WELL_DEPTH_UNIT	t_CHIEF_DBA_WUR_LOCATIONS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(32)

ST Mapping WURS_SUBMITTED_MEASUREMENTS Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
SUBMTTD_MEASUREMENT_ID	WURS_SUBMITTED_MEASUREMENTS	decimal(8, 0)		SUBMTTD_MEASUREMENT_ID	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
REVIEW_DATE	WURS_SUBMITTED_MEASUREMENTS	datetime		REVIEW_DATE	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	datetime
REVIEWER_COMMENT	WURS_SUBMITTED_MEASUREMENTS	nvarchar(80)		REVIEWER_COMMENT	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(80)
FACTOR_1_VALUE	WURS_SUBMITTED_MEASUREMENTS	decimal(16, 6)		FACTOR_1_VALUE	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	decimal(16, 6)
FACTOR_2_VALUE	WURS_SUBMITTED_MEASUREMENTS	decimal(16, 6)		FACTOR_2_VALUE	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	decimal(16, 6)
SUBMITTER_ACCOUNT_ID	WURS_SUBMITTED_MEASUREMENTS	decimal(8, 0)		SUBMITTER_ACCOUNT_ID	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
MEASUREMENT_VALUE	WURS_SUBMITTED_MEASUREMENTS	decimal(16, 6)		MEASUREMENT_VALUE	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	decimal(16, 6)
CALC_COMBINATION_ID	WURS_SUBMITTED_MEASUREMENTS	decimal(8, 0)		CALC_COMBINATION_ID	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
CONDITION_ID	WURS_SUBMITTED_MEASUREMENTS	decimal(8, 0)		CONDITION_ID	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
SUBMITTER_COMMENT	WURS_SUBMITTED_MEASUREMENTS	nvarchar(80)		SUBMITTER_COMMENT	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(80)
DATA_ENTRY_METHOD_ID	WURS_SUBMITTED_MEASUREMENTS	decimal(8, 0)		DATA_ENTRY_METHOD_ID	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
MEAS_VALUE_NOT_KNOWN_FLAG	WURS_SUBMITTED_MEASUREMENTS	nvarchar(1)		MEAS_VALUE_NOT_KNOWN_FLAG	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(1)
METER_INIT_READING_NUMBER	WURS_SUBMITTED_MEASUREMENTS	decimal(16, 6)		METER_INIT_READING_NUMBER	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	decimal(16, 6)
METER_INITIALIZATION_COMMENT	WURS_SUBMITTED_MEASUREMENTS	nvarchar(80)		METER_INITIALIZATION_COMMENT	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(80)
REVIEWER_ACCOUNT_ID	WURS_SUBMITTED_MEASUREMENTS	decimal(8, 0)		REVIEWER_ACCOUNT_ID	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
MEASUREMENT_PERIOD_DATE	WURS_SUBMITTED_MEASUREMENTS	datetime		MEASUREMENT_PERIOD_DATE	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	datetime
MEASUREMENT_PERIOD_CODE	WURS_SUBMITTED_MEASUREMENTS	nvarchar(20)		MEASUREMENT_PERIOD_CODE	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(20)
CREATE_TIMESTAMP	WURS_SUBMITTED_MEASUREMENTS	datetime		CREATE_TIMESTAMP	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	datetime
UPDATE_TIMESTAMP	WURS_SUBMITTED_MEASUREMENTS	datetime		UPDATE_TIMESTAMP	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	datetime
CREATE_USERID	WURS_SUBMITTED_MEASUREMENTS	nvarchar(80)		CREATE_USERID	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(80)
UPDATE_USERID	WURS_SUBMITTED_MEASUREMENTS	nvarchar(80)		UPDATE_USERID	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(80)
VMV_CODE	WURS_SUBMITTED_MEASUREMENTS	decimal(6, 0)		VMV_CODE	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	decimal(6, 0)
SYSTEM_METER_ROLLOVER_FLAG	WURS_SUBMITTED_MEASUREMENTS	nvarchar(1)		SYSTEM_METER_ROLLOVER_FLAG	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(1)
ORIG_MEASUREMENT_VALUE	WURS_SUBMITTED_MEASUREMENTS	nvarchar(32)		ORIG_MEASUREMENT_VALUE	t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)	nvarchar(32)

ST Mapping WURS_water_levels Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
WATER_LEVEL_ID	WURS_water_levels	decimal(8, 0)		WATER_LEVEL_ID	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
CONDITION_ID	WURS_water_levels	decimal(8, 0)		CONDITION_ID	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
DATA_ENTRY_METHOD_ID	WURS_water_levels	decimal(8, 0)		DATA_ENTRY_METHOD_ID	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
MEASUREMENT_PERIOD_DATE	WURS_water_levels	datetime		MEASUREMENT_PERIOD_DATE	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	datetime
MEASUREMENT_PERIOD_CODE	WURS_water_levels	nvarchar(20)		MEASUREMENT_PERIOD_CODE	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	nvarchar(20)
MEASUREMENT_VALUE	WURS_water_levels	decimal(16, 6)		MEASUREMENT_VALUE	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	decimal(16, 6)
LEVEL_UNIT_CODE	WURS_water_levels	nvarchar(32)		LEVEL_UNIT_CODE	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	nvarchar(32)
PUMP_ON	WURS_water_levels	nvarchar(1)		PUMP_ON	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	nvarchar(1)
DATE_MEASUREMENT_TAKEN	WURS_water_levels	datetime		DATE_MEASUREMENT_TAKEN	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	datetime
TIME_MEASUREMENT_TAKEN	WURS_water_levels	nvarchar(8)		TIME_MEASUREMENT_TAKEN	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	nvarchar(8)
FLOWING_WELL	WURS_water_levels	nvarchar(1)		FLOWING_WELL	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	nvarchar(1)
PRESSURE	WURS_water_levels	decimal(16, 0)		PRESSURE	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	decimal(16, 0)
PRESSURE_UNIT_CODE	WURS_water_levels	nvarchar(32)		PRESSURE_UNIT_CODE	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	nvarchar(32)
SUBMITTER_ACCOUNT_ID	WURS_water_levels	decimal(8, 0)		SUBMITTER_ACCOUNT_ID	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
SUBMITTER_COMMENT	WURS_water_levels	nvarchar(80)		SUBMITTER_COMMENT	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	nvarchar(80)
VMV_CODE	WURS_water_levels	decimal(6, 0)		VMV_CODE	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	decimal(6, 0)
ORIG_MEASUREMENT_VALUE	WURS_water_levels	decimal(16, 6)		ORIG_MEASUREMENT_VALUE	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	decimal(16, 6)
CREATE_TIMESTAMP	WURS_water_levels	datetime		CREATE_TIMESTAMP	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	datetime
UPDATE_TIMESTAMP	WURS_water_levels	datetime		UPDATE_TIMESTAMP	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	datetime
CREATE_USERID	WURS_water_levels	nvarchar(30)		CREATE_USERID	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	nvarchar(30)
UPDATE_USERID	WURS_water_levels	nvarchar(30)		UPDATE_USERID	t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)	nvarchar(30)

ST Mapping WURS_Water_Bodies Table

Water_Sources_Centralization (Target)				Source File		
Column Name	Table Name	Data Type	Transformation	Column Name	Table Name / Excel Name/CSV Name	Data type
WATER_BODY_ID	WURS_Water_Bodies	decimal(8, 0)		WATER_BODY_ID	t_Water_Bodies (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
WaterBodyName	WURS_Water_Bodies	nvarchar(40)		WaterBodyName	t_Water_Bodies (DataCentral_WURS_EMS_DB.accdb)	nvarchar(40)
TRIBUTARY_TO_WATER_BODY_ID	WURS_Water_Bodies	decimal(8, 0)		TRIBUTARY_TO_WATER_BODY_ID	t_Water_Bodies (DataCentral_WURS_EMS_DB.accdb)	decimal(8, 0)
WATER_BODY_TYPE	WURS_Water_Bodies	nvarchar(2)		WATER_BODY_TYPE	t_Water_Bodies (DataCentral_WURS_EMS_DB.accdb)	nvarchar(2)



ETL TECHNICAL SPECIFICATIONS

HSE Analytics

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1.0 Introduction

This document explains the overall description of ETL Process i.e. Source files locations, target database and tables, Source to target mapping, transformations implemented, logging, etc.

The purpose of this document is to describe ETL Mapping of data from different source into “Water_Sources_Centralization” Database.

We have created different SSIS Packages for different tables. Each of these packages is explained in detailed in further sections of the document.

2.0 Source - Target Mapping

We have created a logical data interface document that maps the relationship between source fields and target destination fields in the tables.

The Source- Target Mapping document contains columns like the source Table name, column name and data type mapped to target table name.

Attached below is the Source- Target excel document.

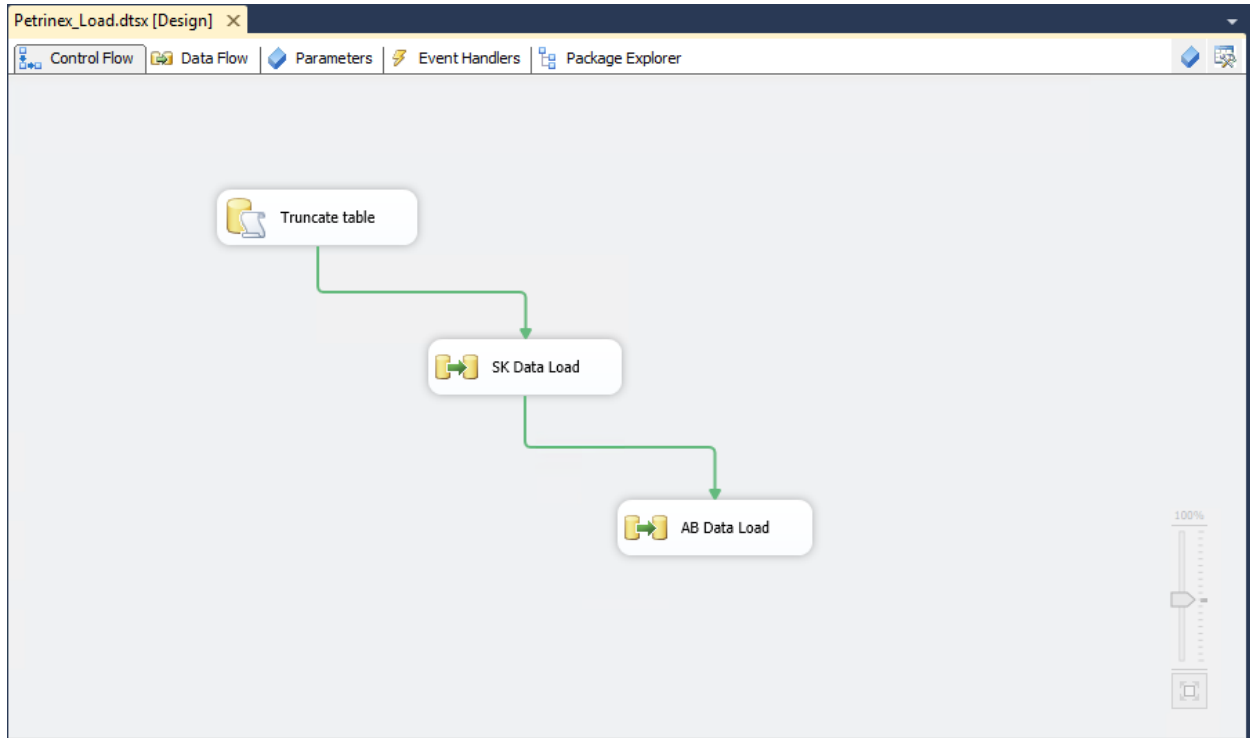


ST Mapping.xlsx

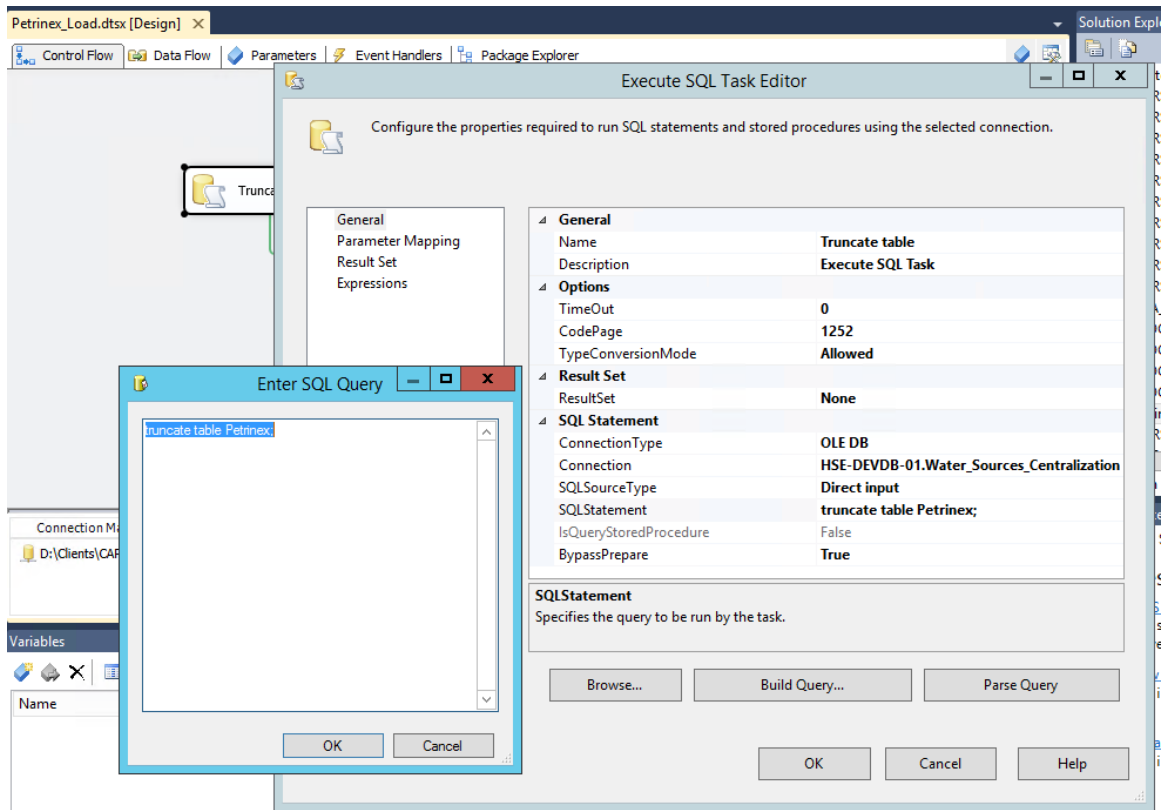
3.0 SSIS Packages to Load Data

We created different SSIS packages to load data from source to its target tables. Later on, we created one Master package which contains all the SSIS packages. When we run the Master package all the SSIS packages within it get executed in the sequence they are placed.

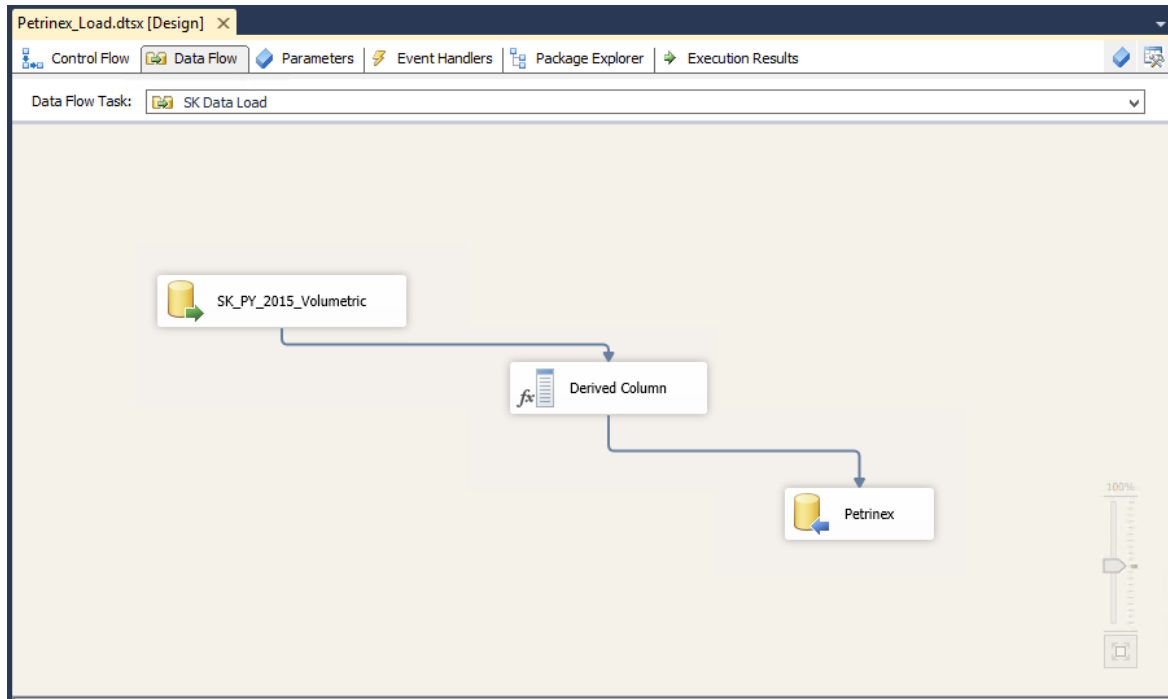
3.1 Petrinex_Load Package



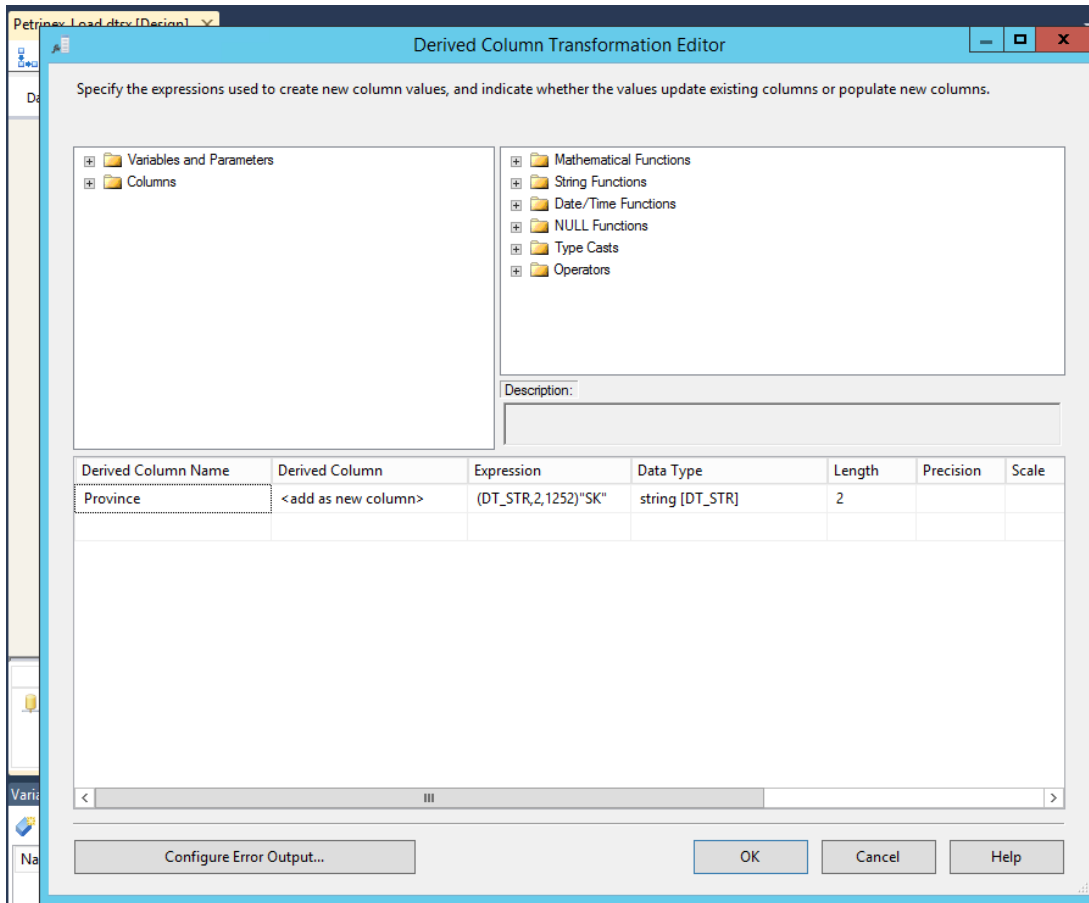
The above screenshot shows the Control Flow window.



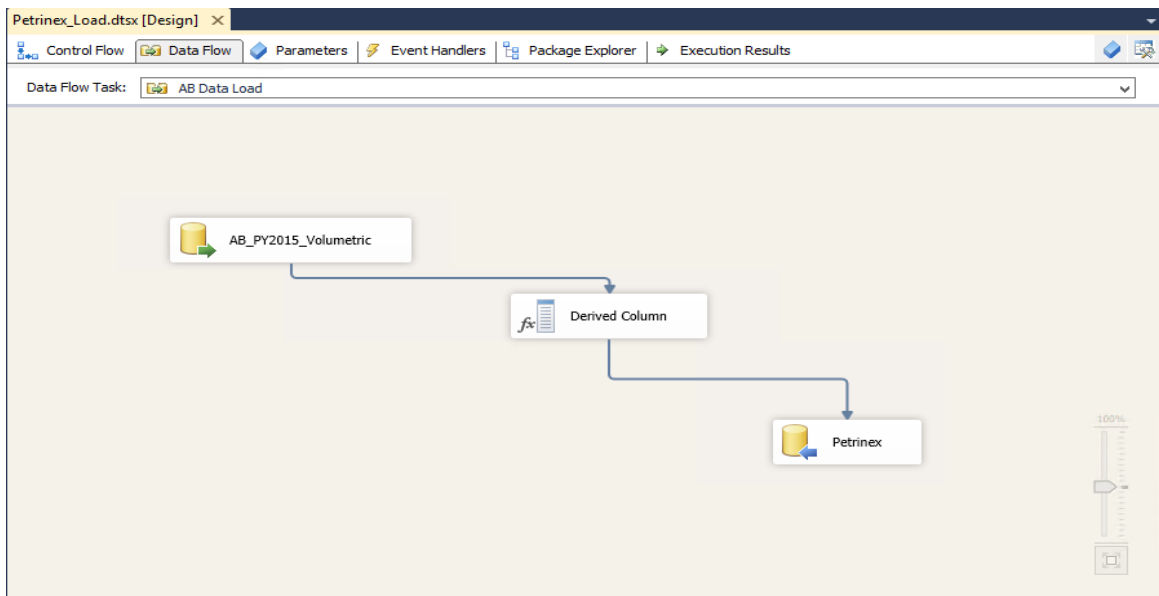
The above screenshot shows the Execute SQL Task to truncate the table “Petrinex” of Target database



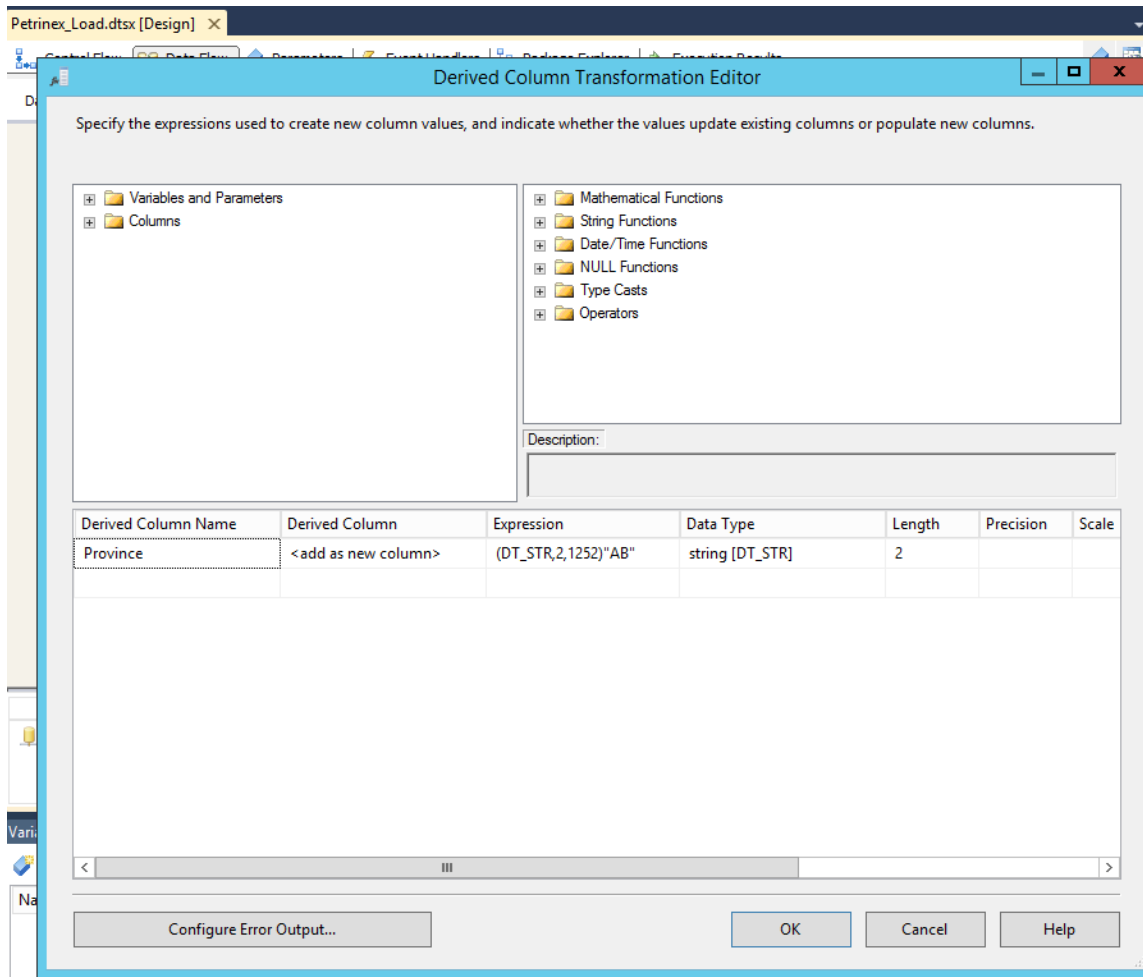
The above screenshot shows Data Flow window to show how data is loaded from “SK_PY_2015_Volumetric (DataCentral_Petrinex.accdb)” into “Petrinex” Target table for SK province.



The above screenshot shows Derived column transformation to load "Province" column of target table as "SK"

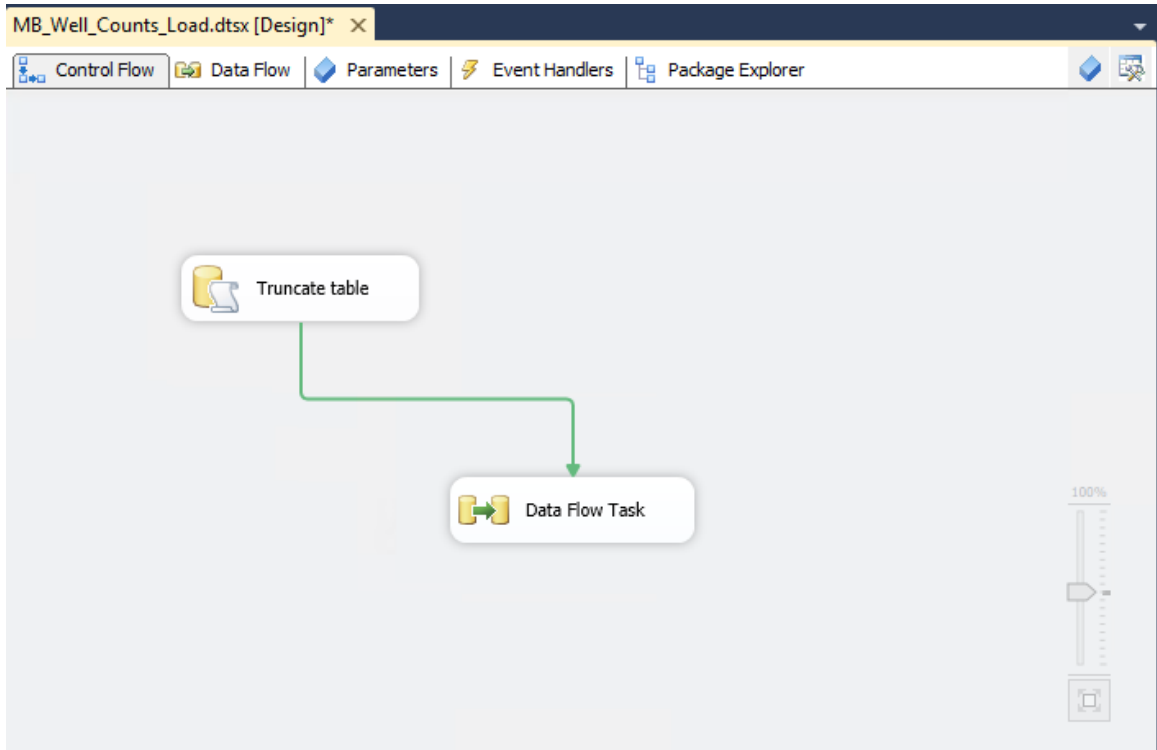


The above screenshot shows Data Flow window to show how data is loaded from "AB_PY_2015_Volumetric (DataCentral_Petrinex.accdb)" into "Petrinex" Target table for AB province.

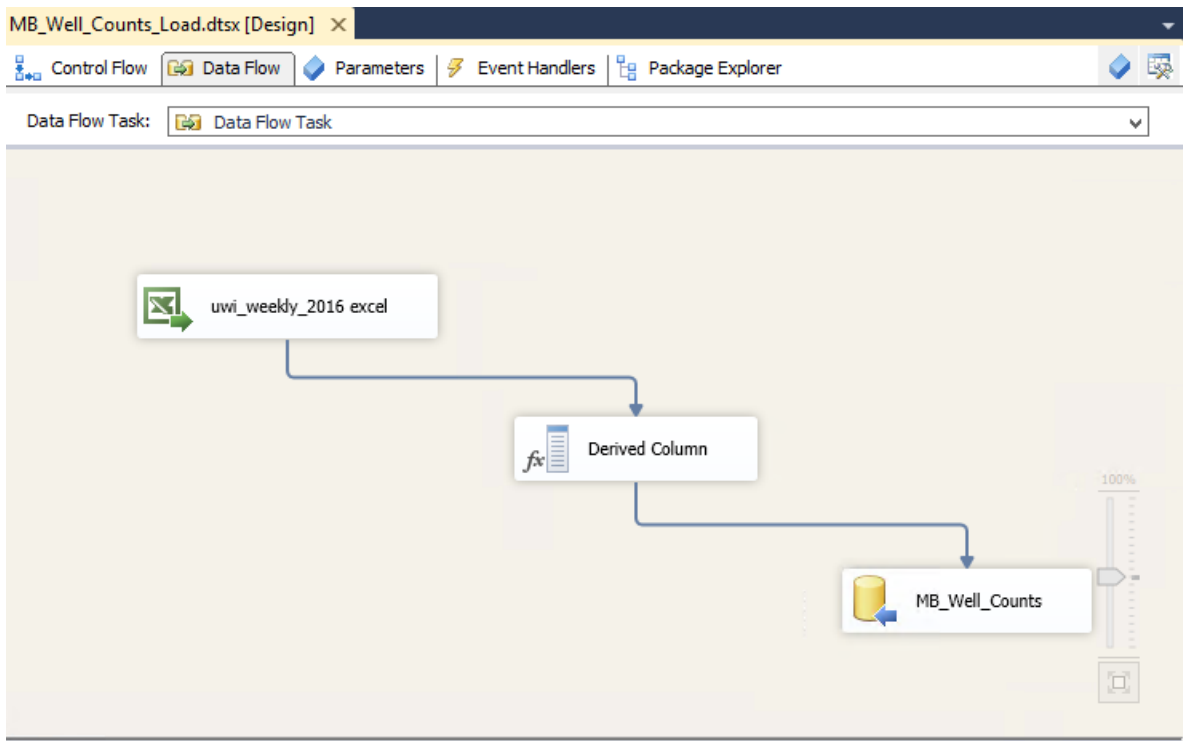


The above screenshot shows Derived column transformation to load "Province" column of target table as "AB"

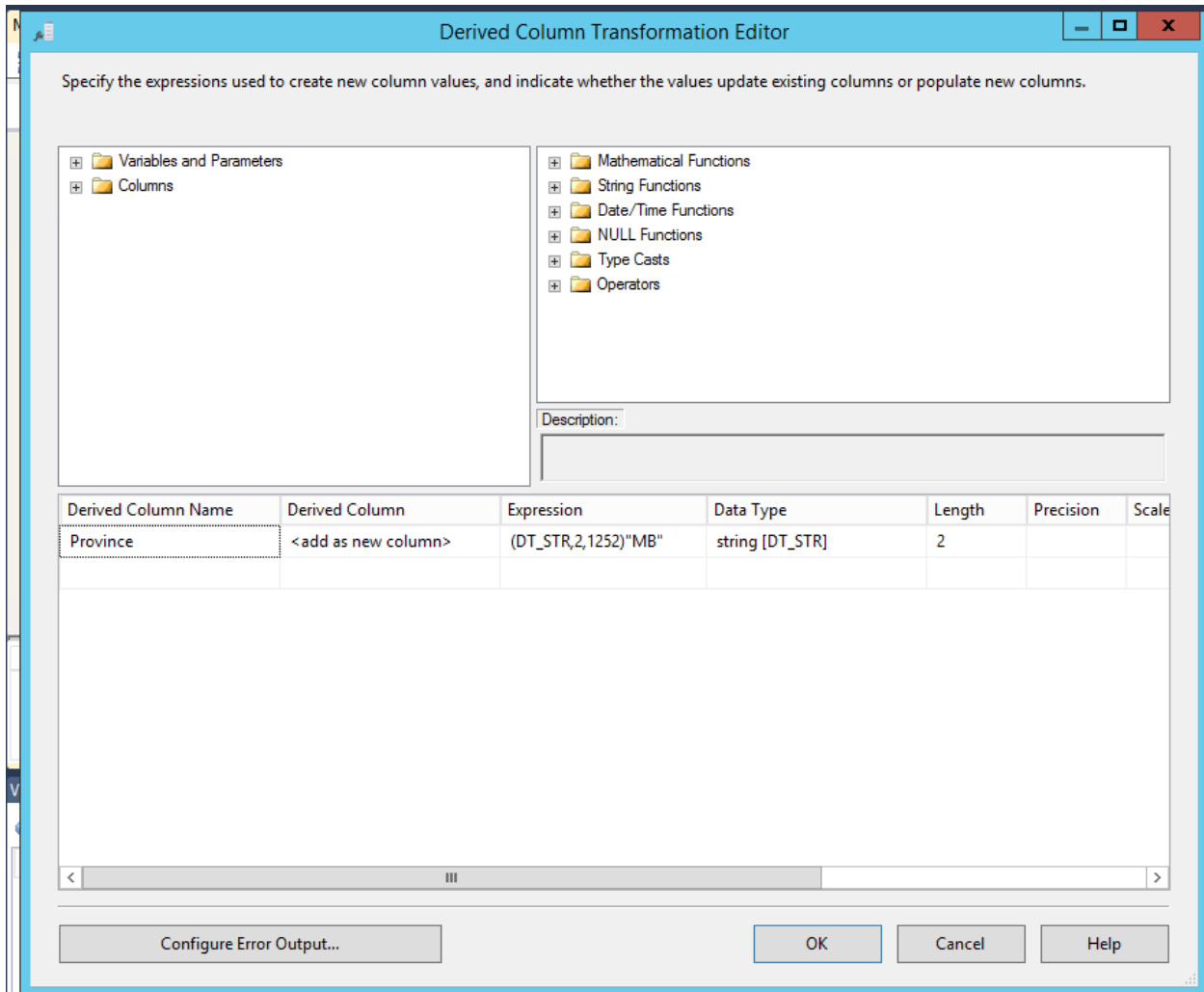
3.2 MB_Well_Counts_Load Package



The above screenshot shows the Control Flow window.

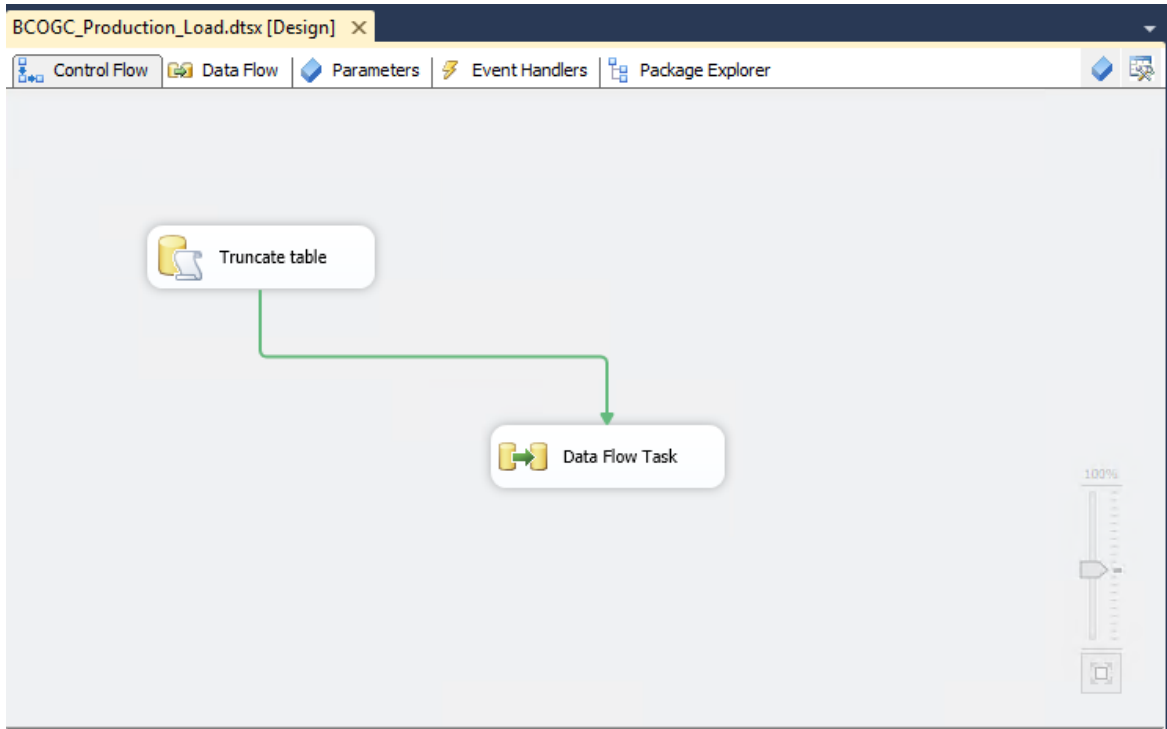


The above screenshot shows Data Flow window to show how data is loaded from “uwi_weekly_2016.xls” excel into “MB_Well_Counts” Target table.

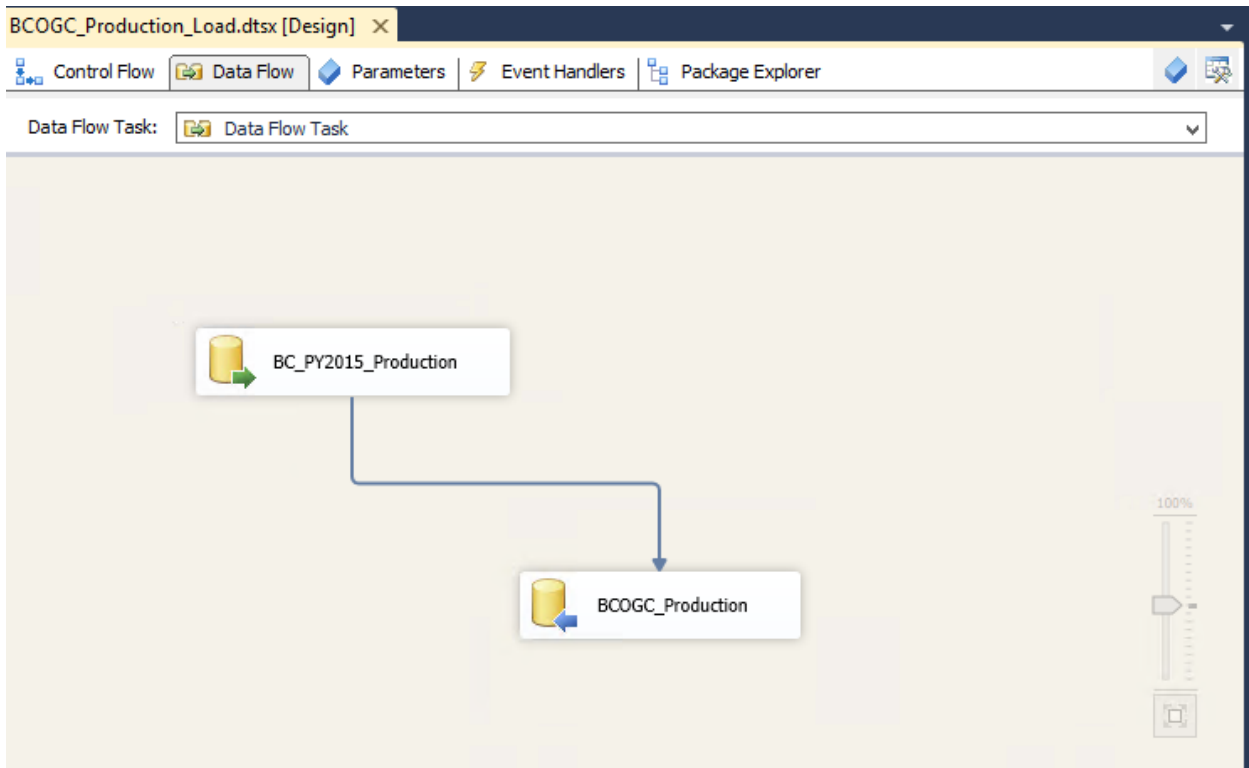


The above screenshot shows Derived column transformation to load "Province" column of target table as "MB"

3.3 BCOGC_Production_Load Package

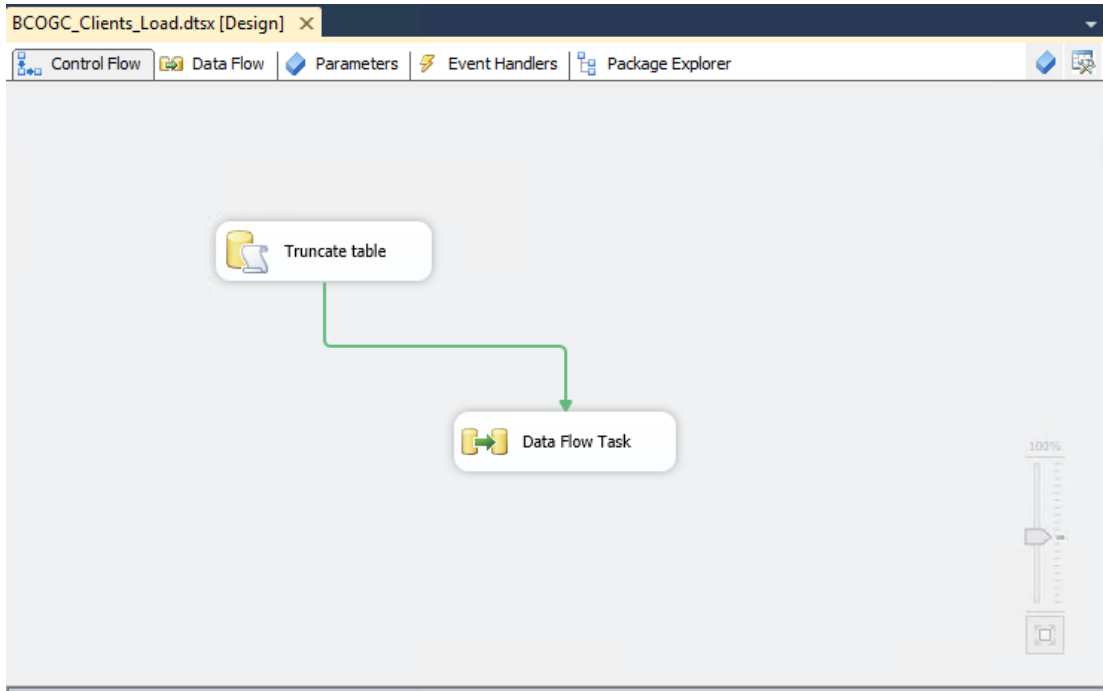


The above screenshot shows the Control Flow window.

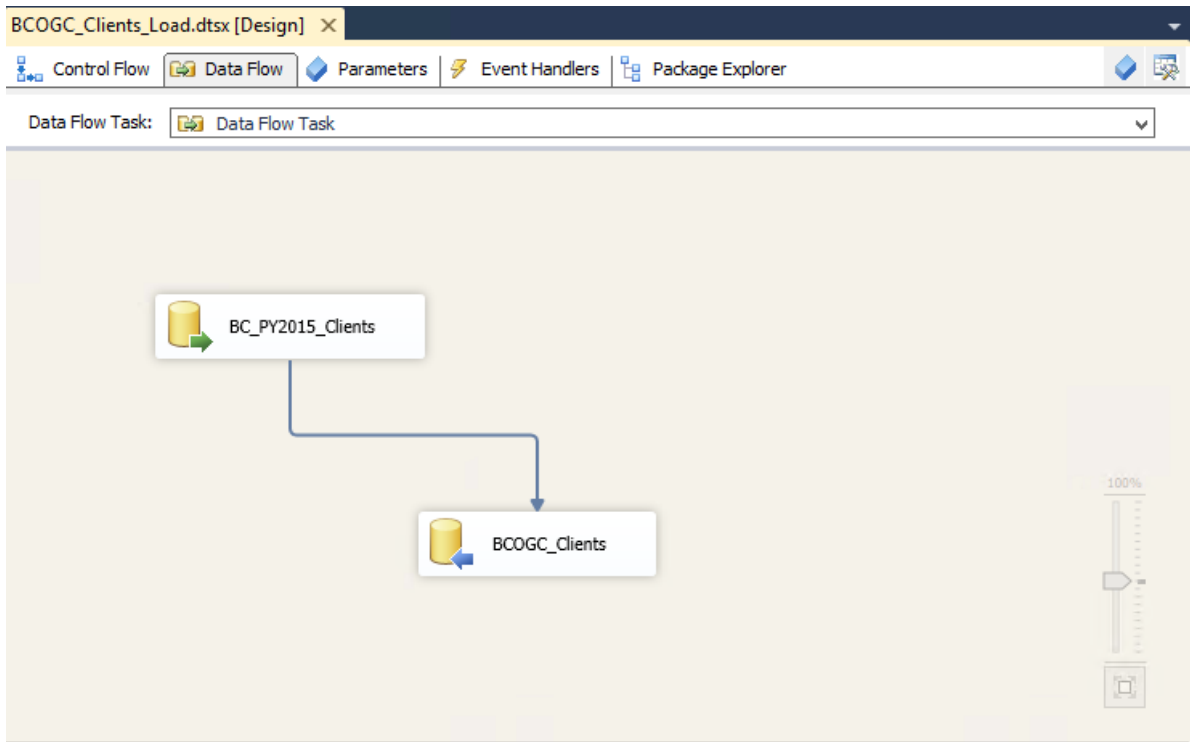


The above screenshot shows Data Flow window to show how data is loaded from "BC_PY2015_Production (DataCentral_BC.accdb)" into "BCOGC_Production" Target table.

3.4 BCOGC_Clients_Load Package

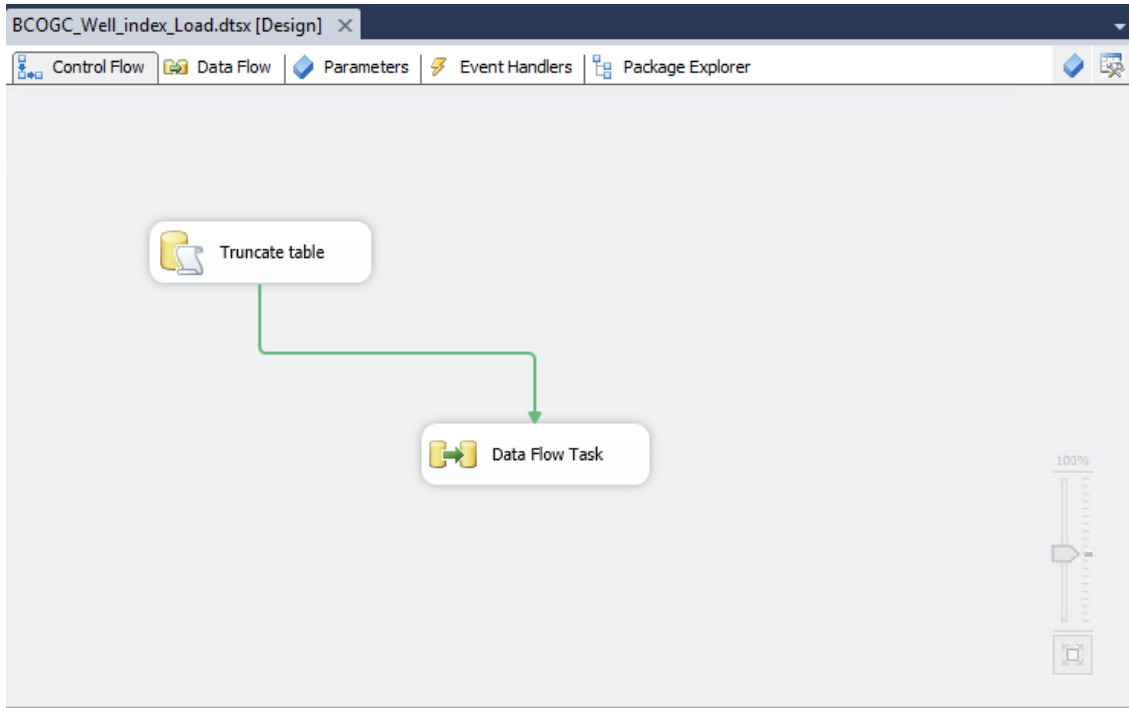


The above screenshot shows the Control Flow window.

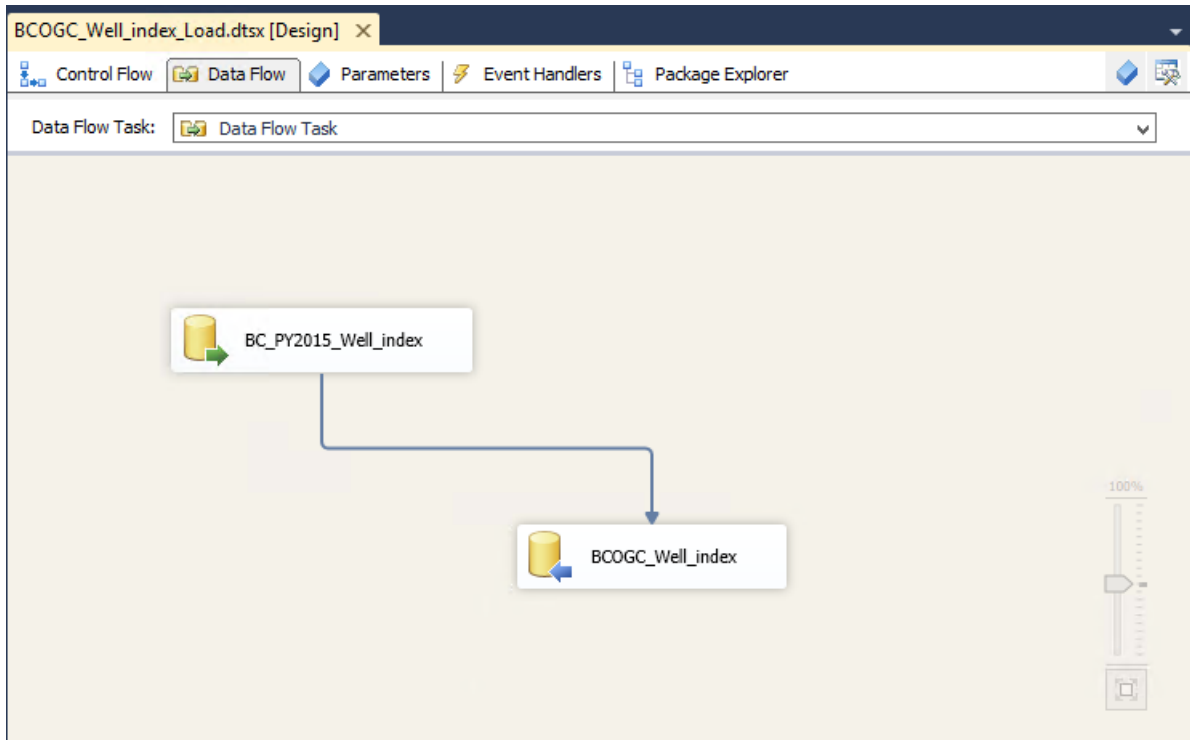


The above screenshot shows Data Flow window to show how data is loaded from “BC_PY2015_Clients (DataCentral_BC.accdb)” into “BCOGC_Clients” Target table.

3.5 BCOGC_Well_index_Load Package

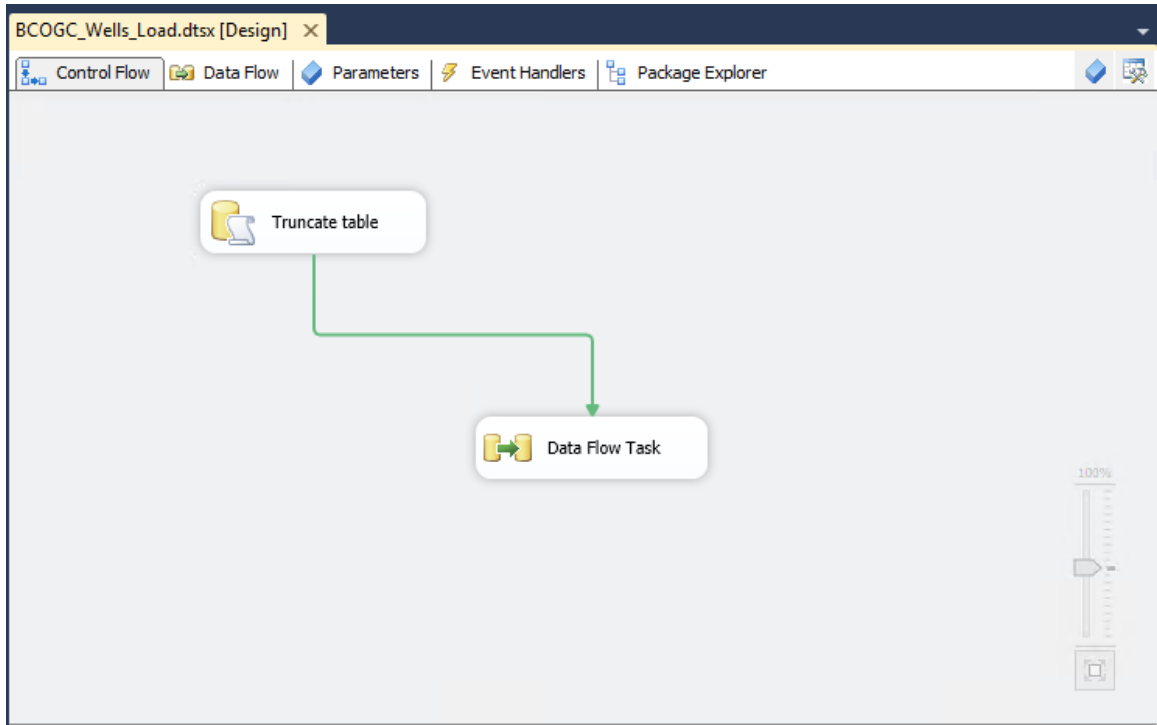


The above screenshot shows the Control Flow window.

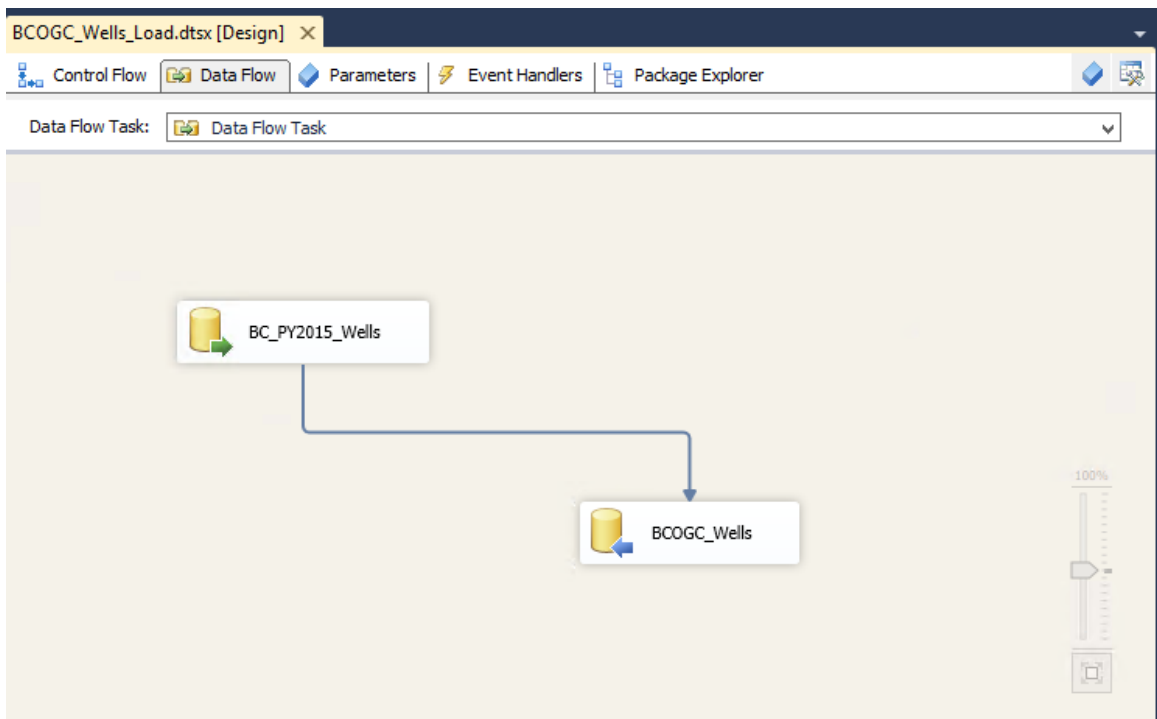


The above screenshot shows Data Flow window to show how data is loaded from “BC_PY2015_Well_index (DataCentral_BC.accdb)” into “BCOGC_Well_index” Target table.

3.6 BCOGC_Wells_Load Package

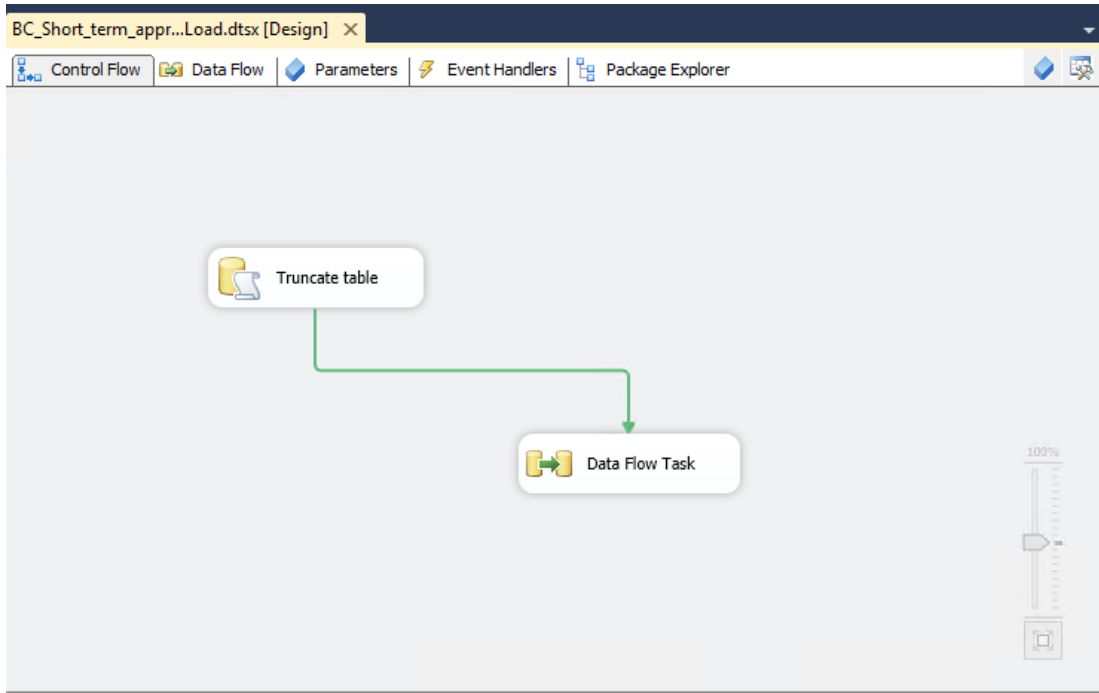


The above screenshot shows the Control Flow window.

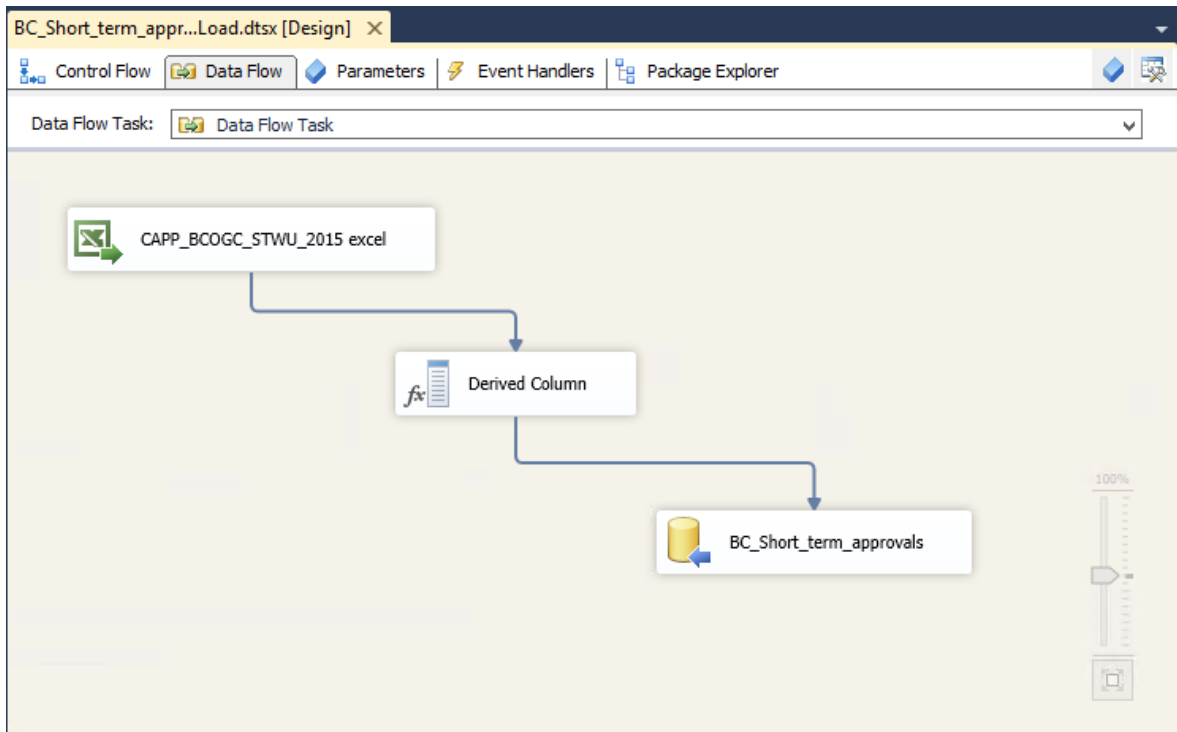


The above screenshot shows Data Flow window to show how data is loaded from “BC_PY2015_Wells (DataCentral_BC.acddb)” into “BCOGC_Wells” Target table.

3.7 BC_Short_term_approvals_Load Package

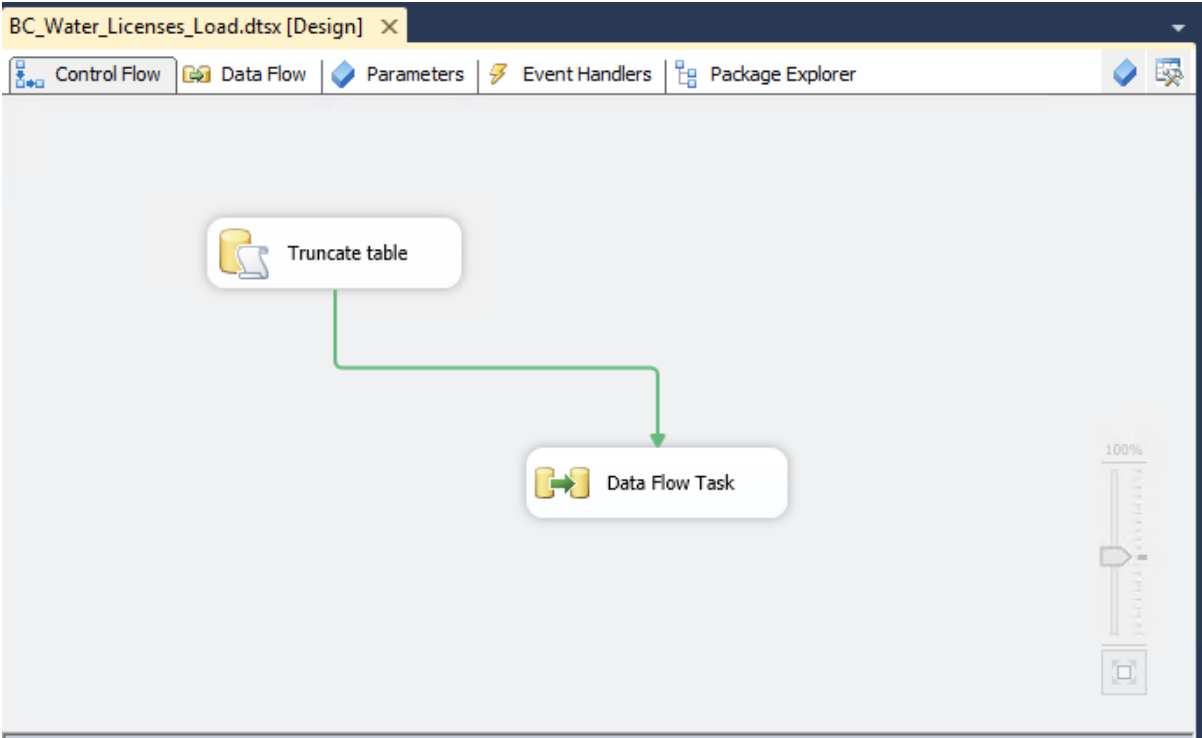


The above screenshot shows the Control Flow window.

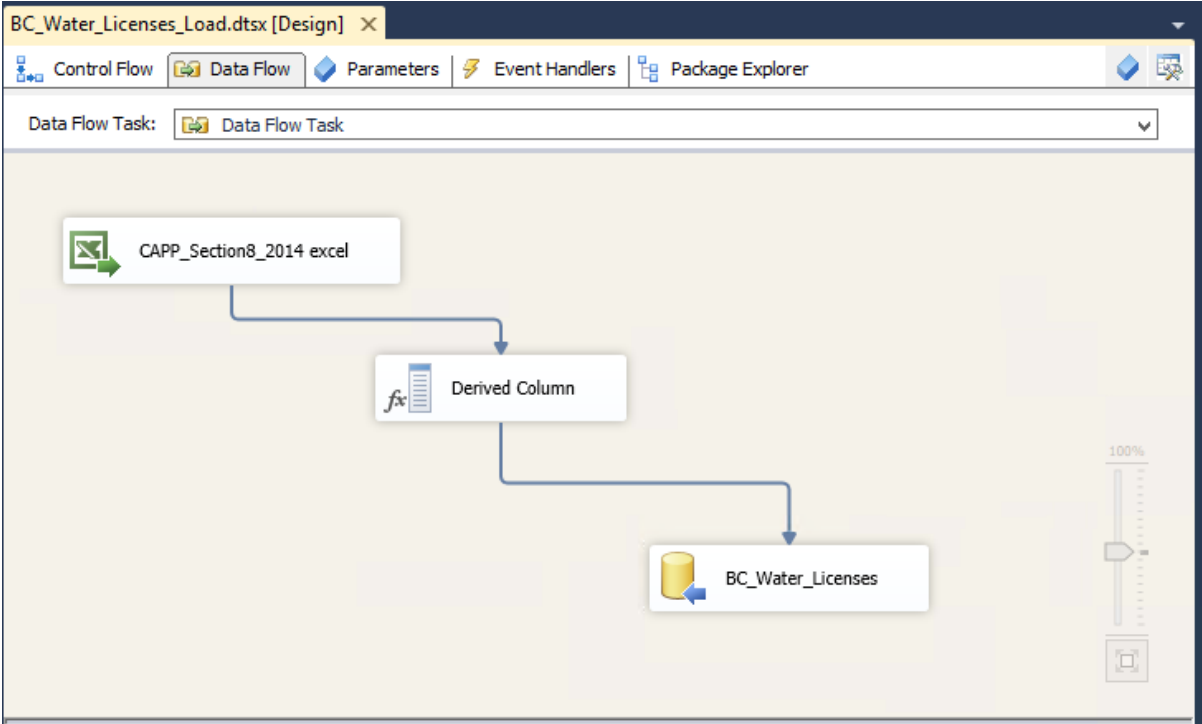


The above screenshot shows Data Flow window to show how data is loaded from “CAPP_BCOGC_STWU_2015” excel into “BC_Short_term_approvals” Target table.

3.8 BC_Water_Licenses_Load Package

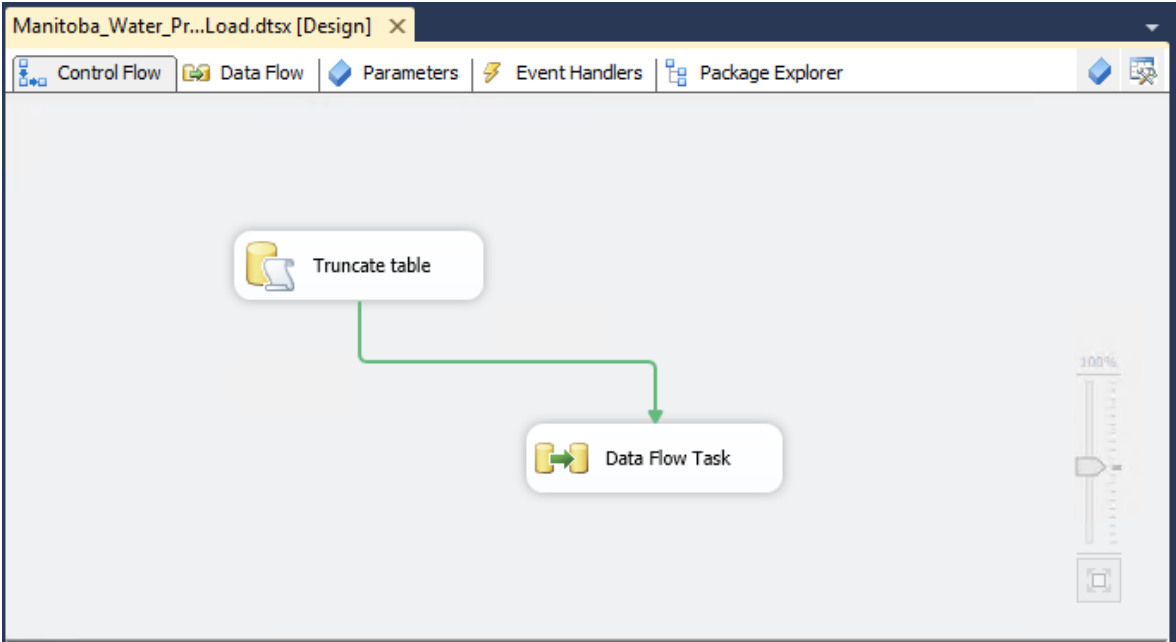


The above screenshot shows the Control Flow window.

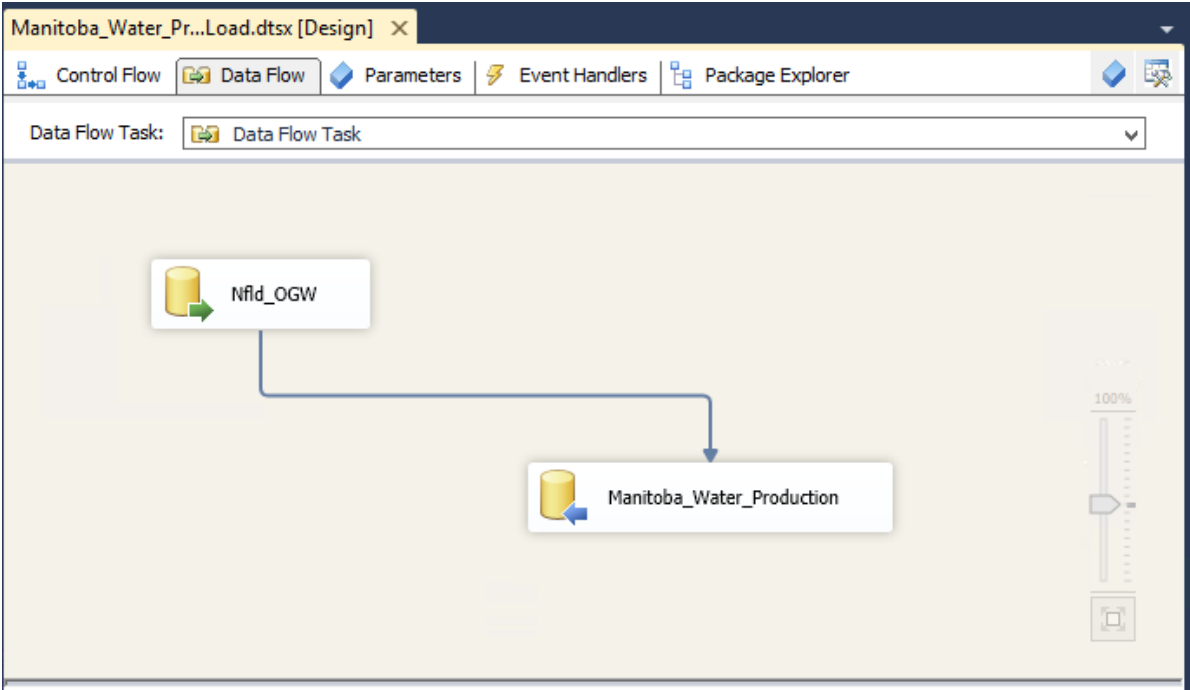


The above screenshot shows Data Flow window to show how data is loaded from "CAPP_Section8_2014" excel into "BC_Water_Licenses" Target table.

3.9 Manitoba_Water_Production_Load Package

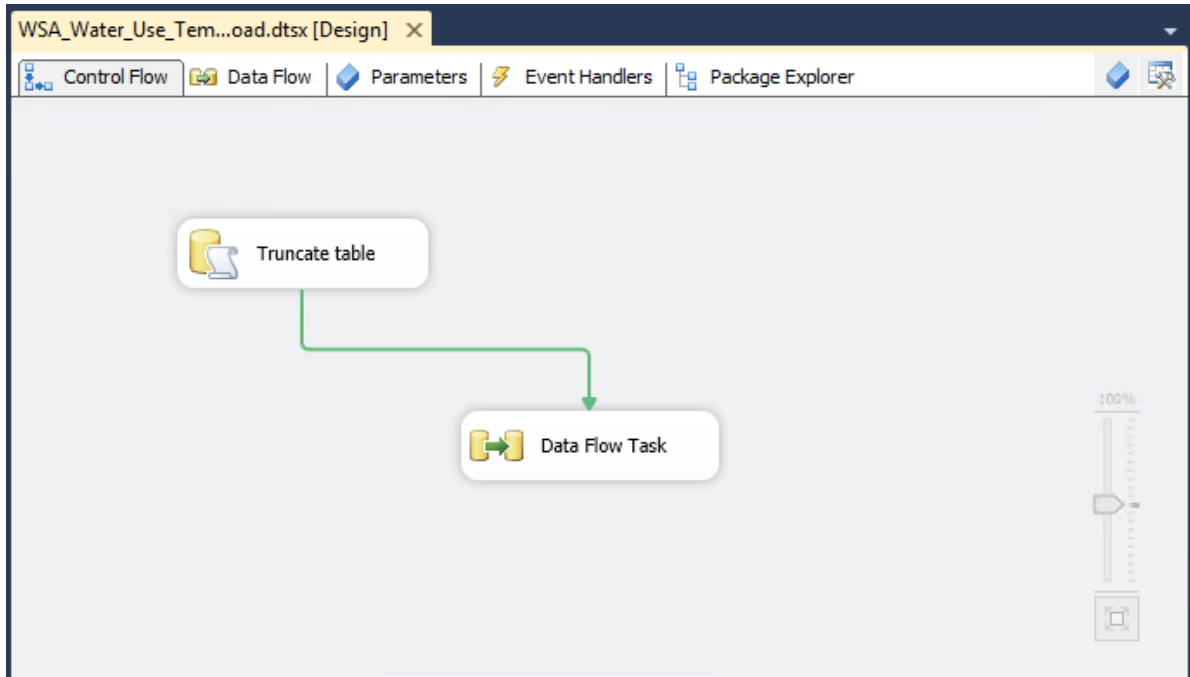


The above screenshot shows the Control Flow window.

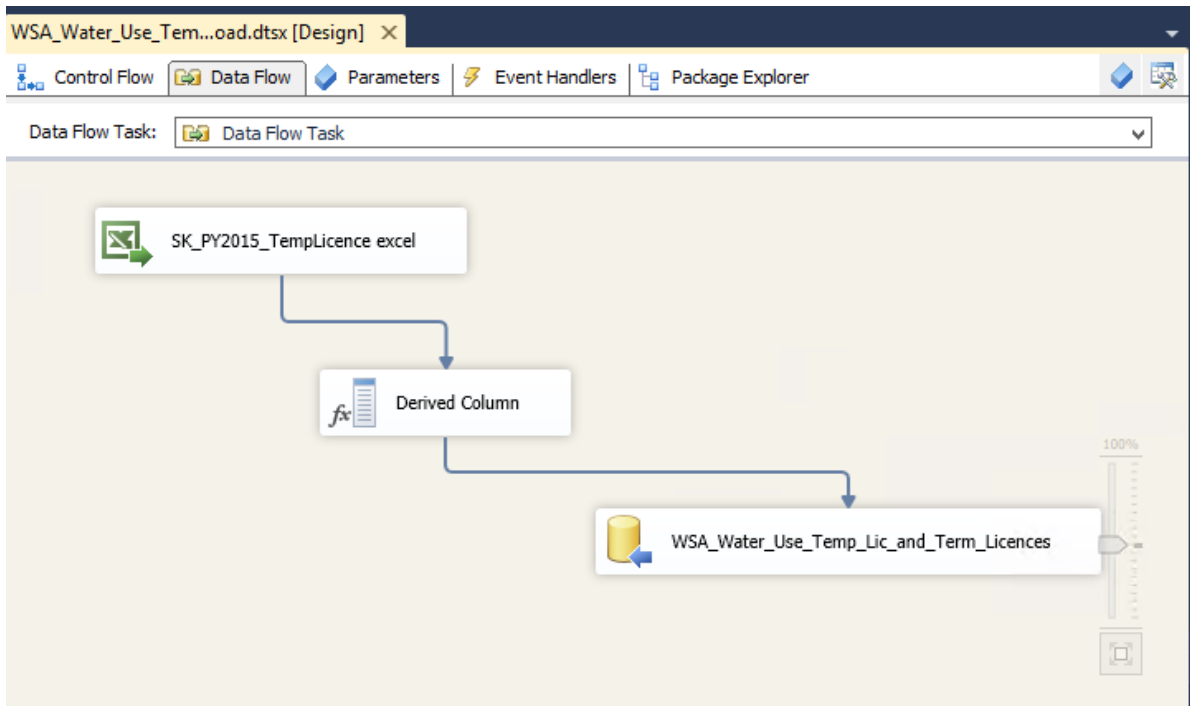


The above screenshot shows Data Flow window to show how data is loaded from “Nfid_OGW” table into “Manitoba_Water_Production” Target table.

3.10 WSA_Water_Use_Temp_Lic_and_Term_Licences_Load Package

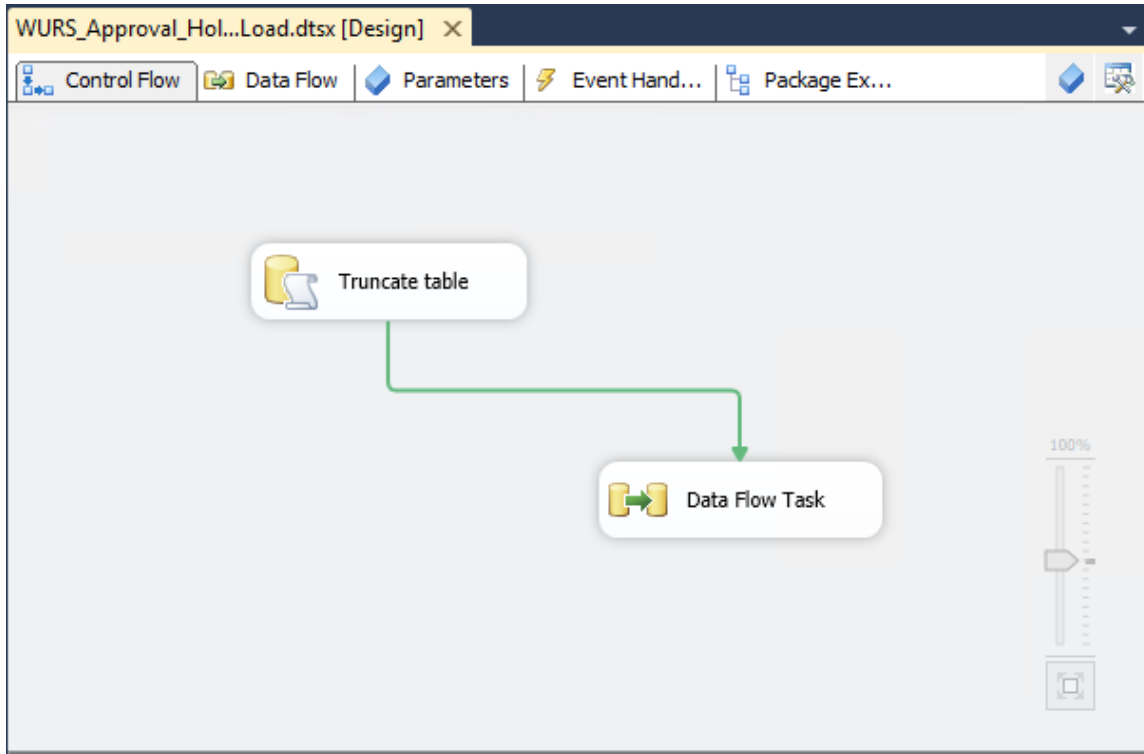


The above screenshot shows the Control Flow window.

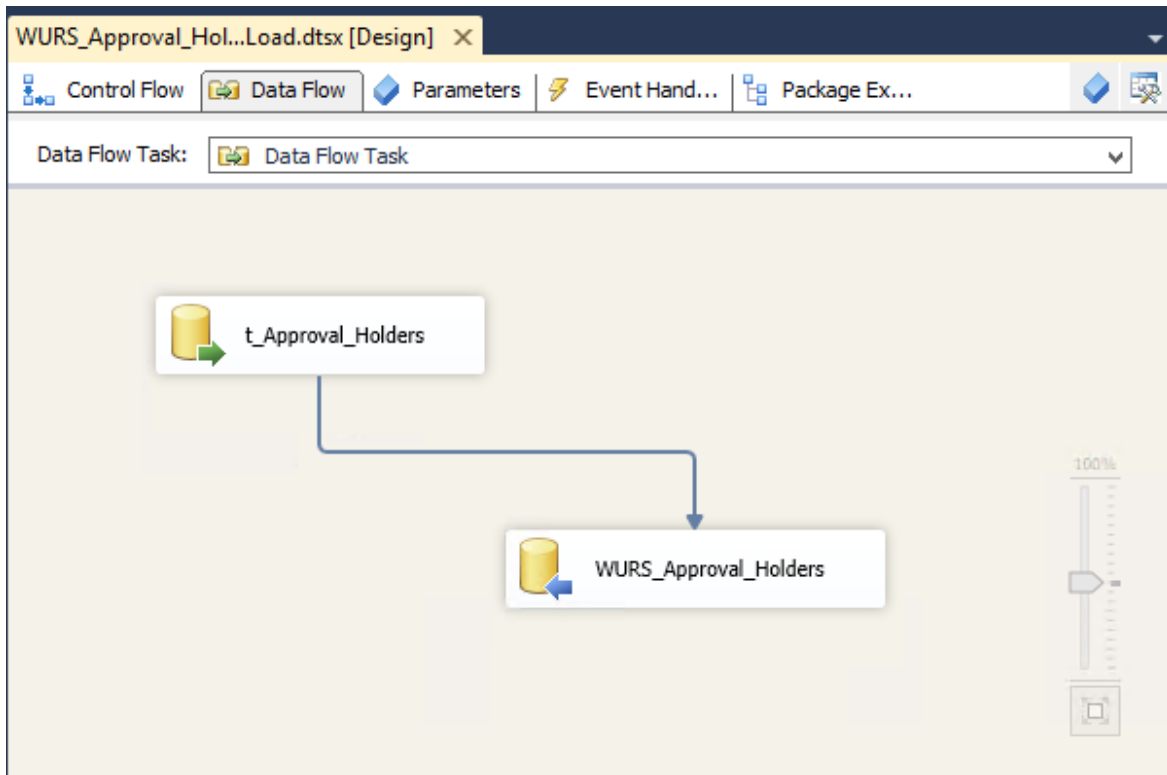


The above screenshot shows Data Flow window to show how data is loaded from "SK_PY2015_TempLicence" excel into "WSA_Water_Use_Temp_Lic_and_Term_Licences" Target table.

3.11 WURS_Approval_Holders_Load Package

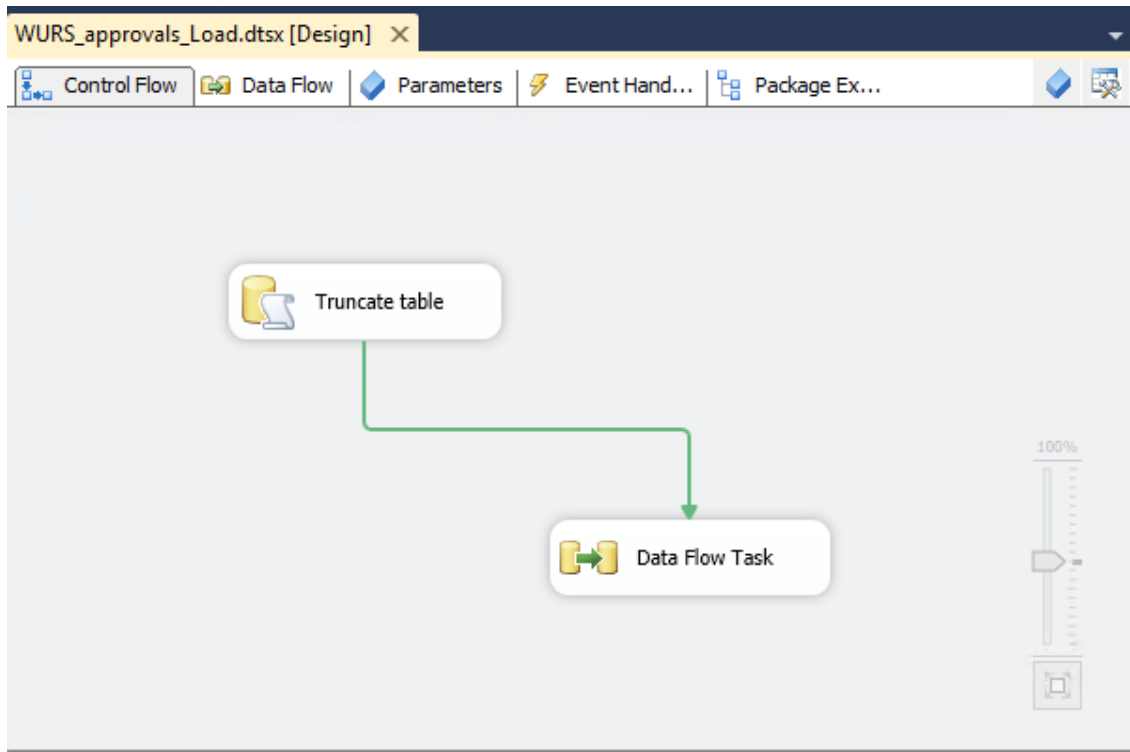


The above screenshot shows the Control Flow window.

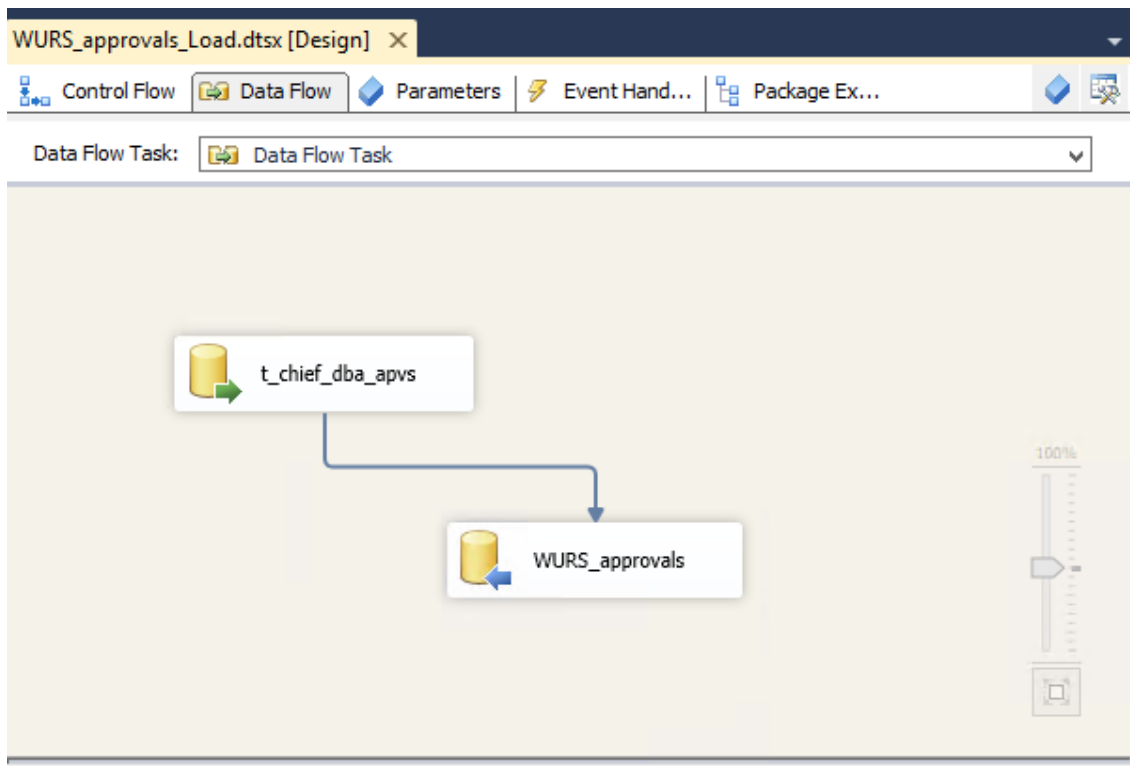


The above screenshot shows Data Flow window to show how data is loaded from "t_Approval_Holders (DataCentral_WURS_EMS_DB.accdb)" table into "WURS_Approval_Holders" Target table.

3.12 WURS_approvals_Load Package

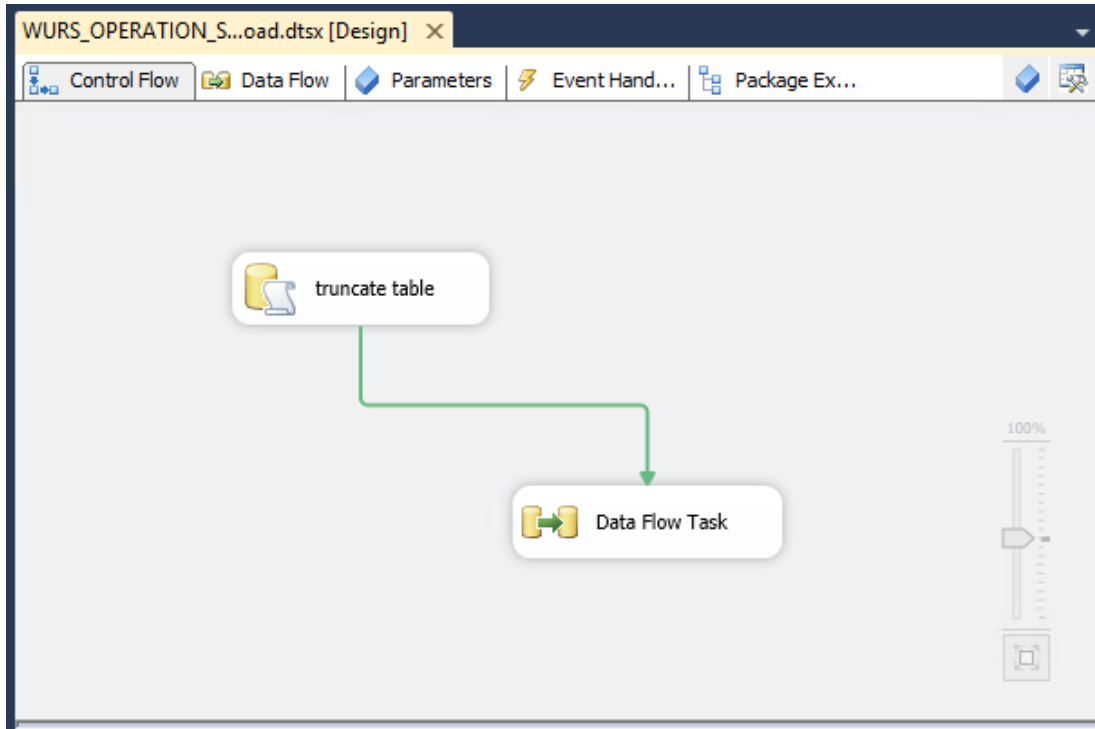


The above screenshot shows the Control Flow window.

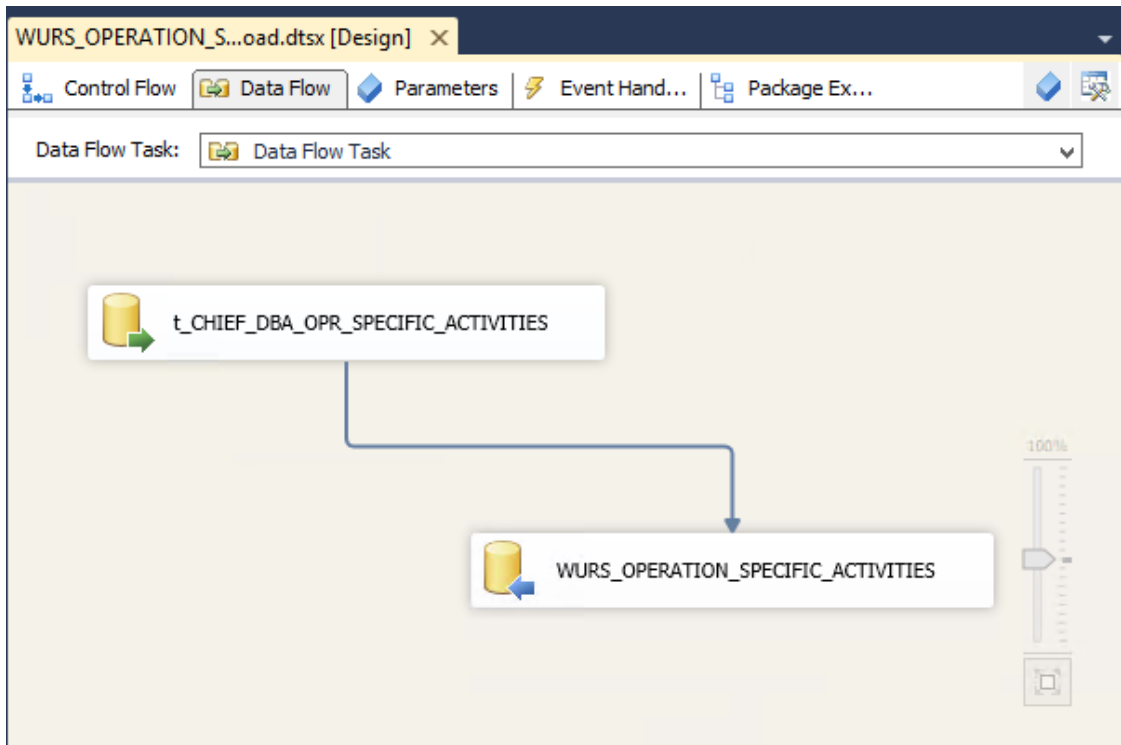


The above screenshot shows Data Flow window to show how data is loaded from “t_chief_dba_apvs (DataCentral_WURS_EMS_DB.accdb)” table into “WURS_approvals” Target table.

3.13 WURS_OPERATION_SPECIFIC_ACTIVITIES_Load Package

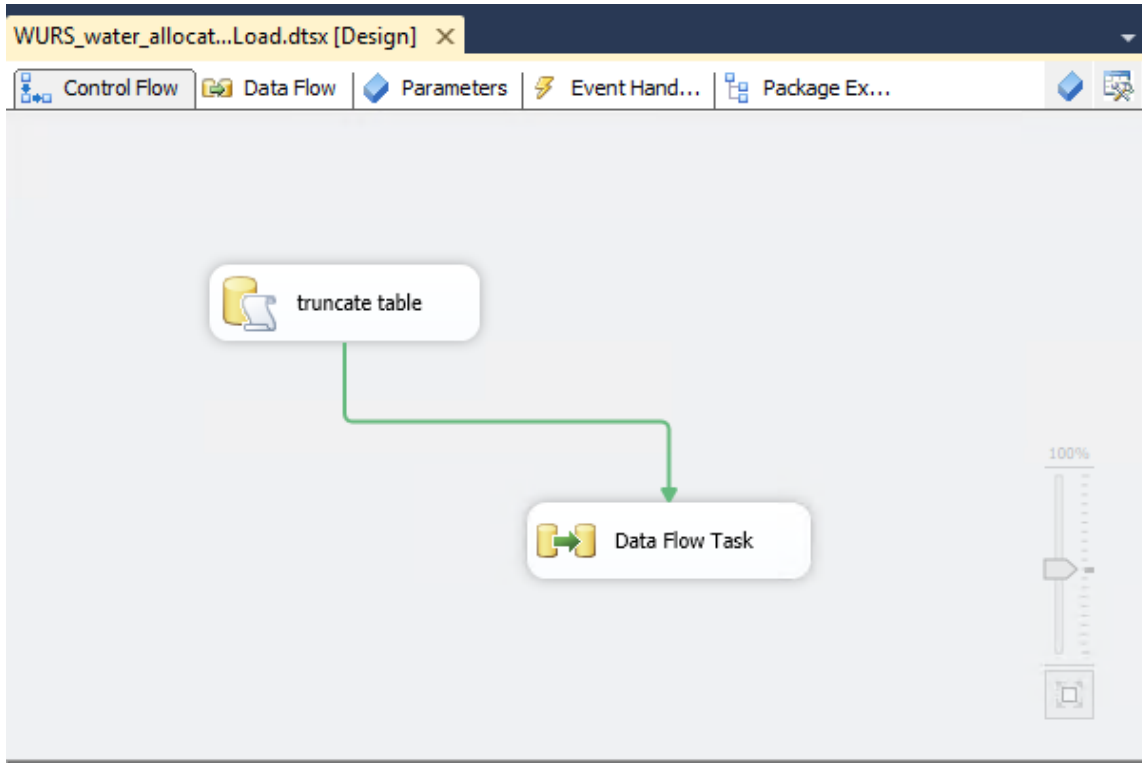


The above screenshot shows the Control Flow window.

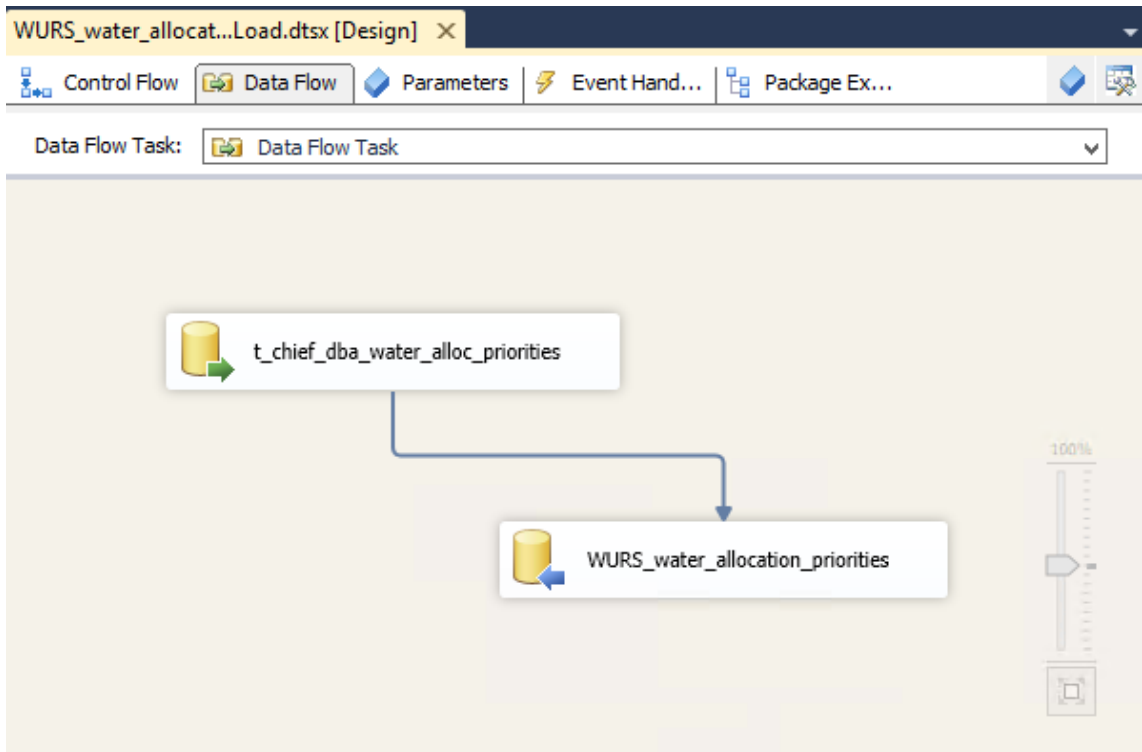


The above screenshot shows Data Flow window to show how data is loaded from "t_CHIEF_DBA_OPR_SPECIFIC_ACTIVITIES (DataCentral_WURS_EMS_DB.accdb)" table into "WURS_OPERATION_SPECIFIC_ACTIVITIES" Target table.

3.14 WURS_water_allocation_priorities_Load Package

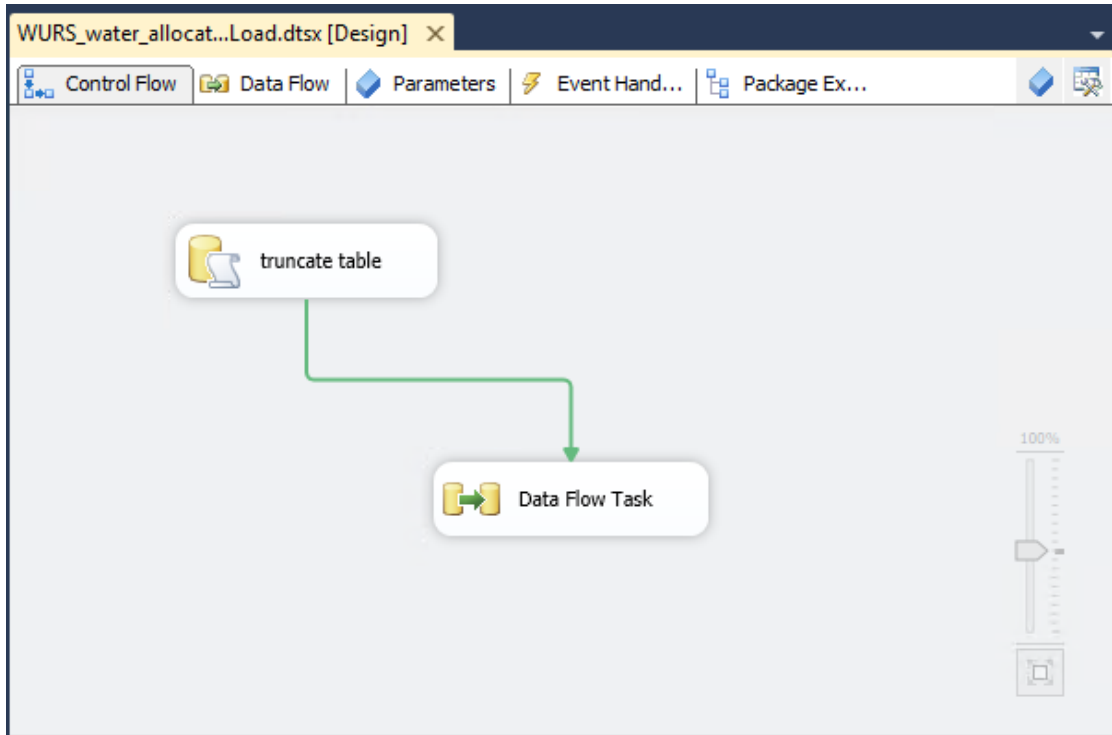


The above screenshot shows the Control Flow window.

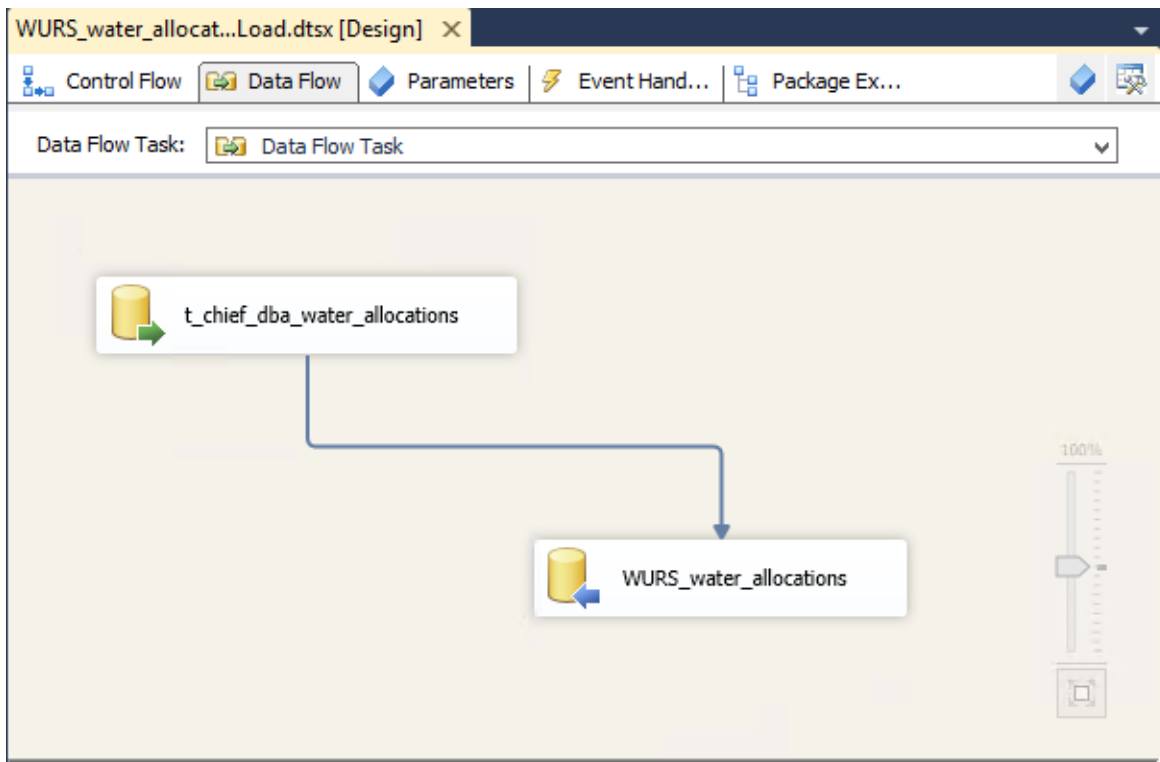


The above screenshot shows Data Flow window to show how data is loaded from "t_chief_dba_water_alloc_priorities (DataCentral_WURS_EMS_DB.accdb)" table into "WURS_water_allocation_priorities" Target table.

3.15 WURS_water_allocations_Load Package

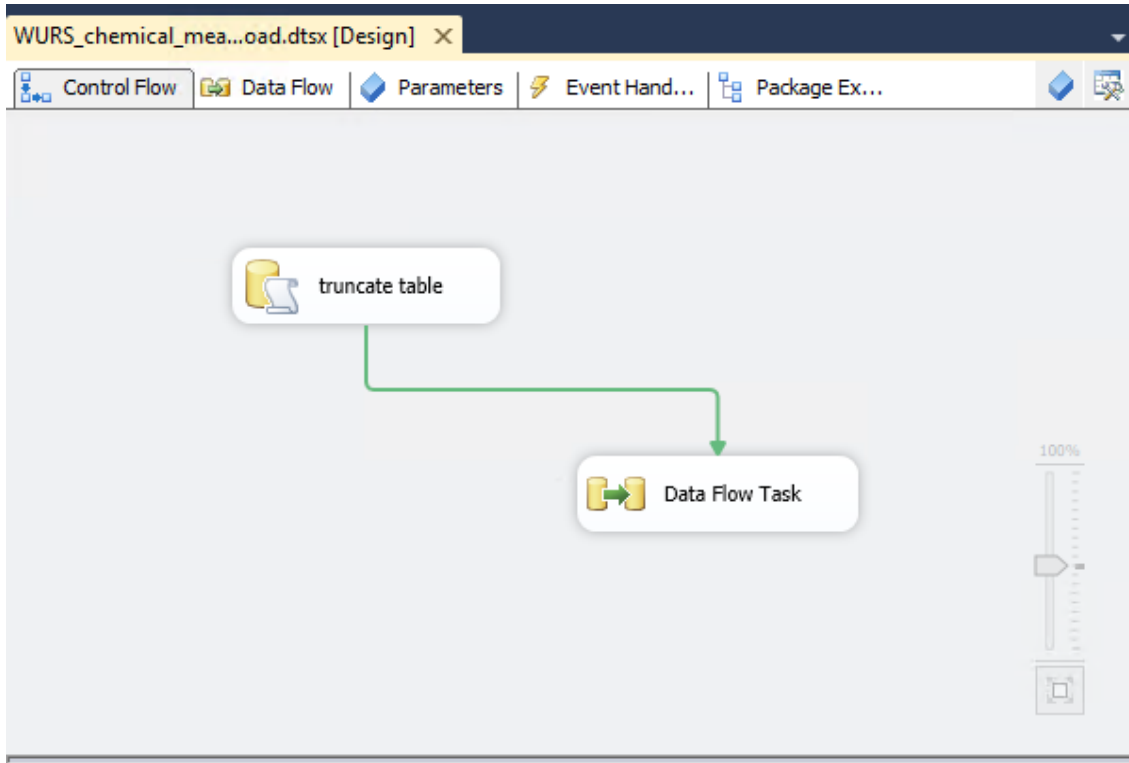


The above screenshot shows the Control Flow window.

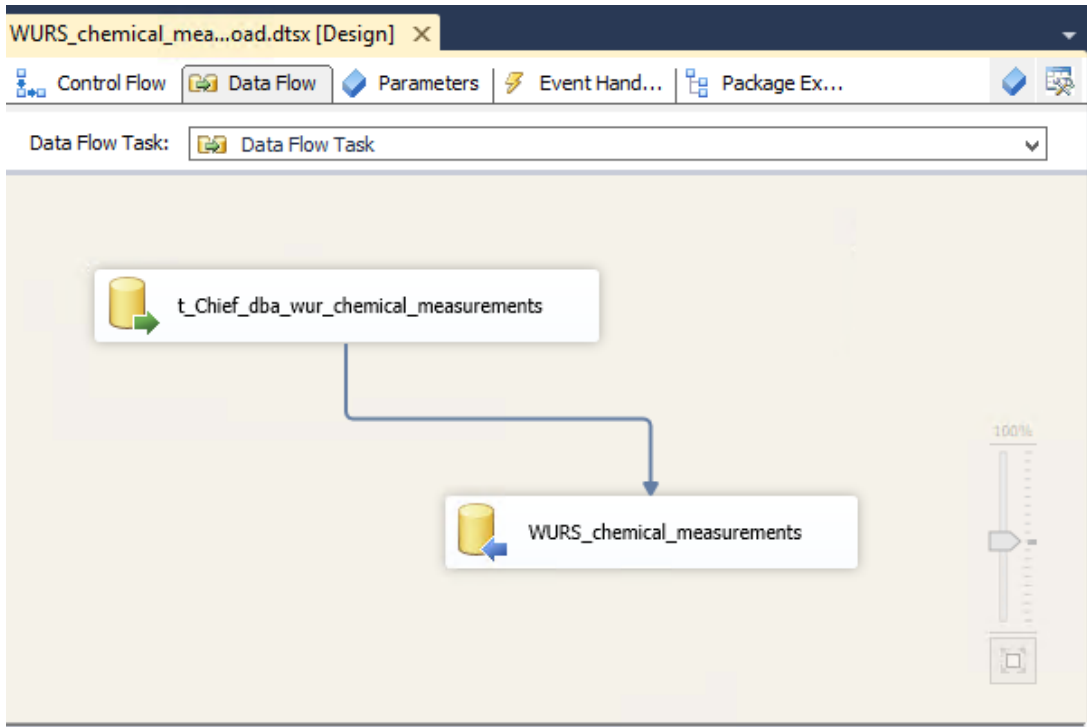


The above screenshot shows Data Flow window to show how data is loaded from "t_chief_dba_water_allocations (DataCentral_WURS_EMS_DB.accdb)" table into "WURS_water_allocations" Target table.

3.16 WURS_chemical_measurements_Load Package

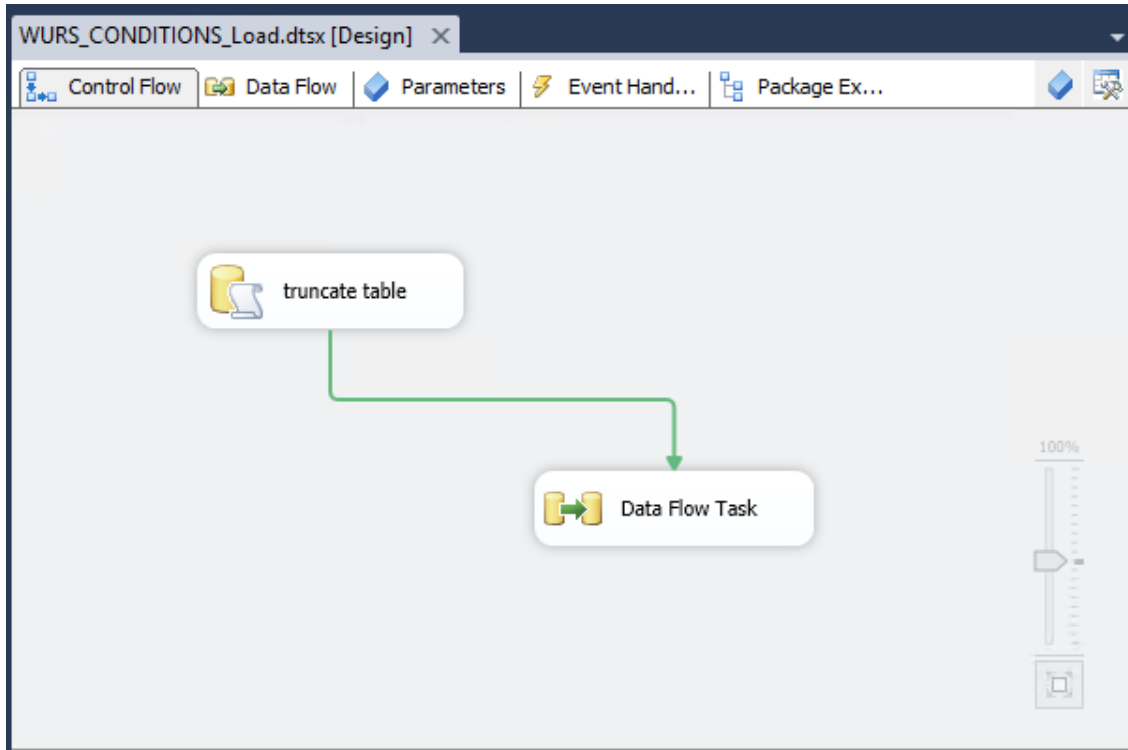


The above screenshot shows the Control Flow window.

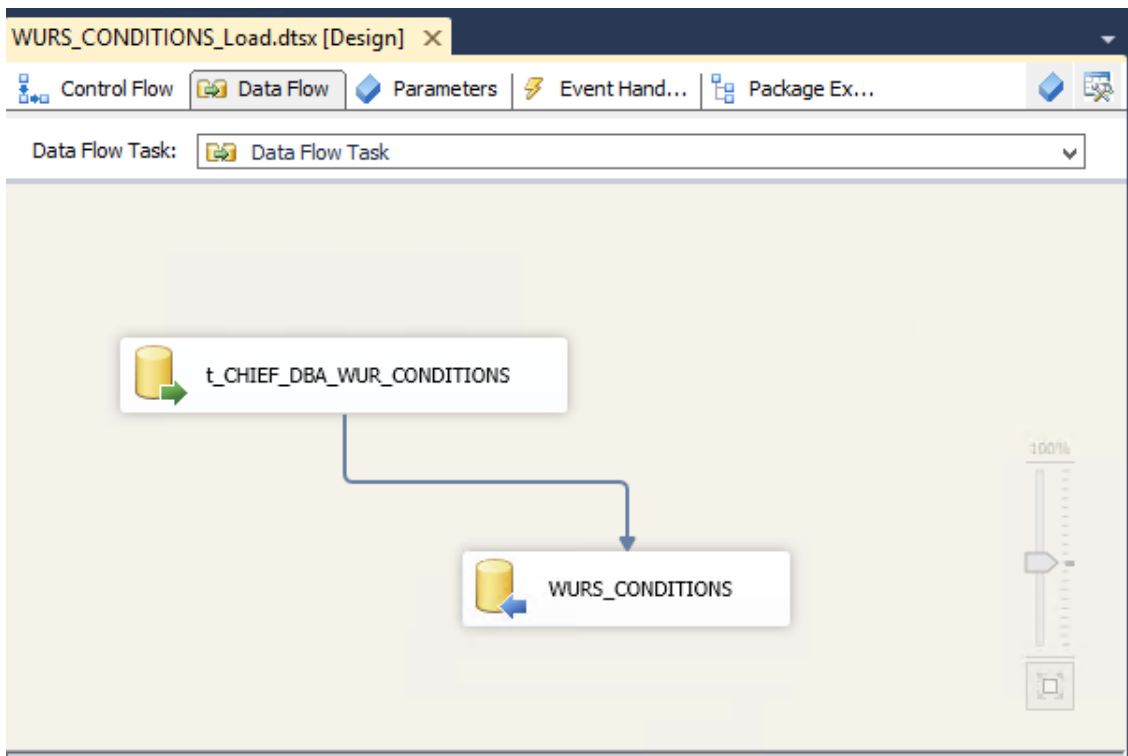


The above screenshot shows Data Flow window to show how data is loaded from "t_Chief_dba_wur_chemical_measurements (DataCentral_WURS_EMS_DB.accdb)" table into "WURS_chemical_measurements" Target table.

3.17 WURS_CONDITIONS_Load Package

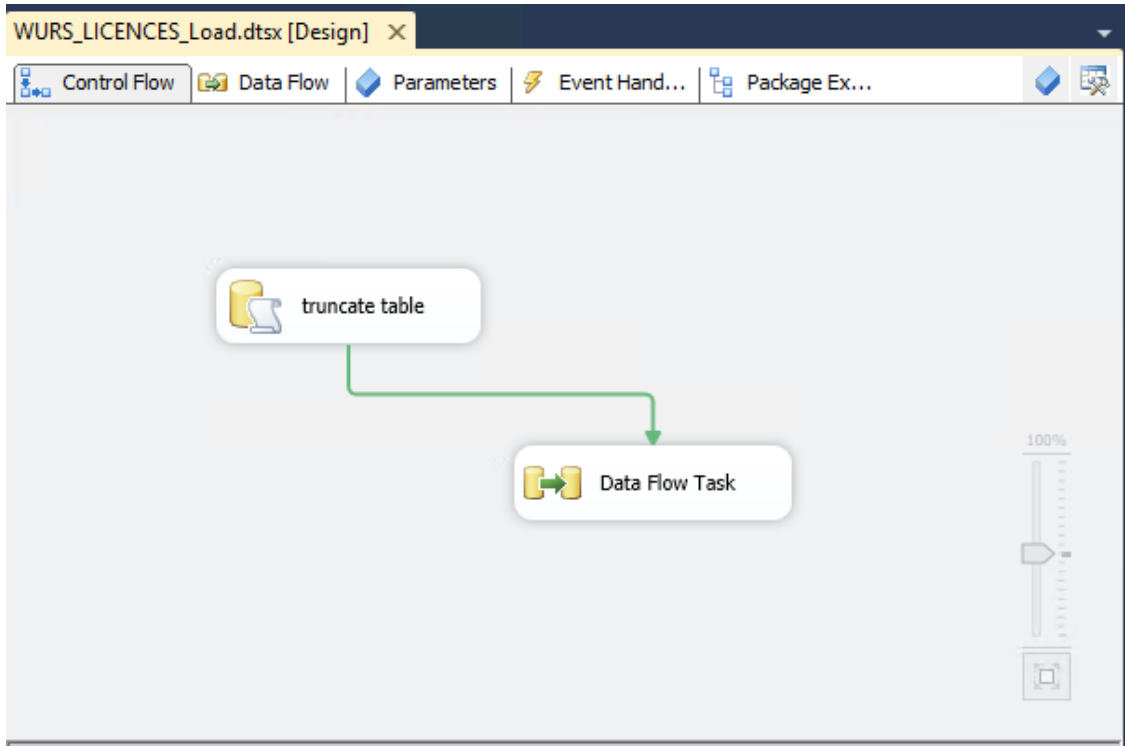


The above screenshot shows the Control Flow window.

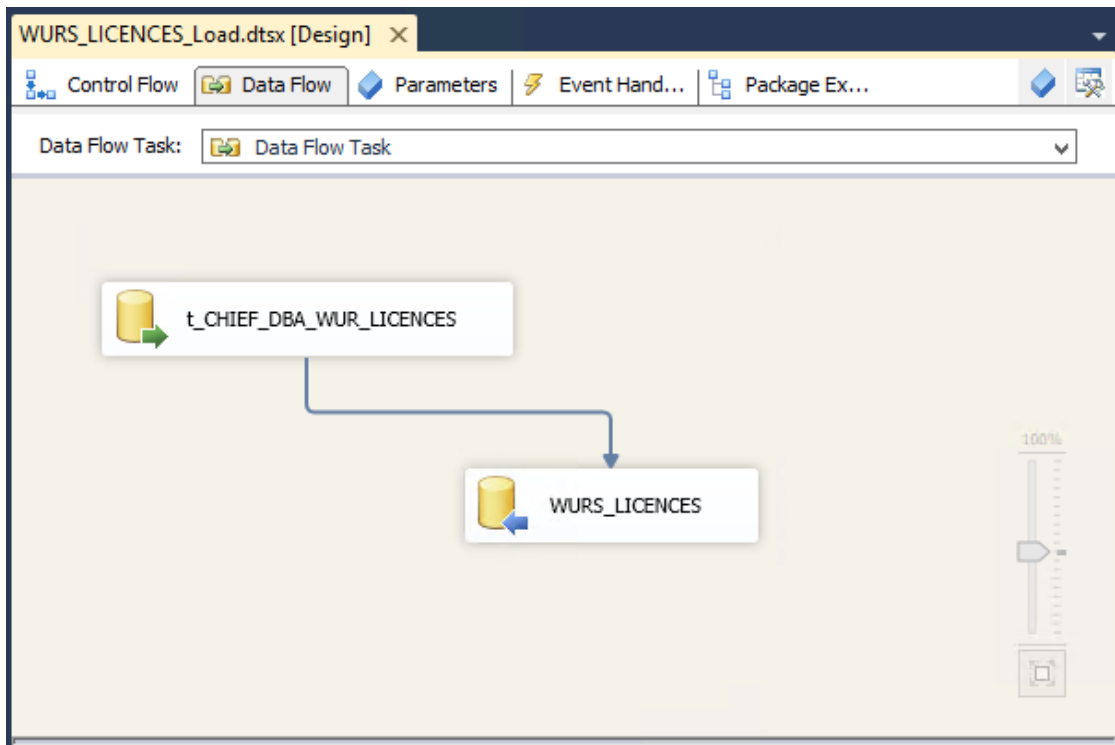


The above screenshot shows Data Flow window to show how data is loaded from "t_CHIEF_DBA_WUR_CONDITIONS (DataCentral_WURS_EMS_DB.accdb)" table into "WURS_CONDITIONS" Target table.

3.18 WURS_LICENCES_Load Package

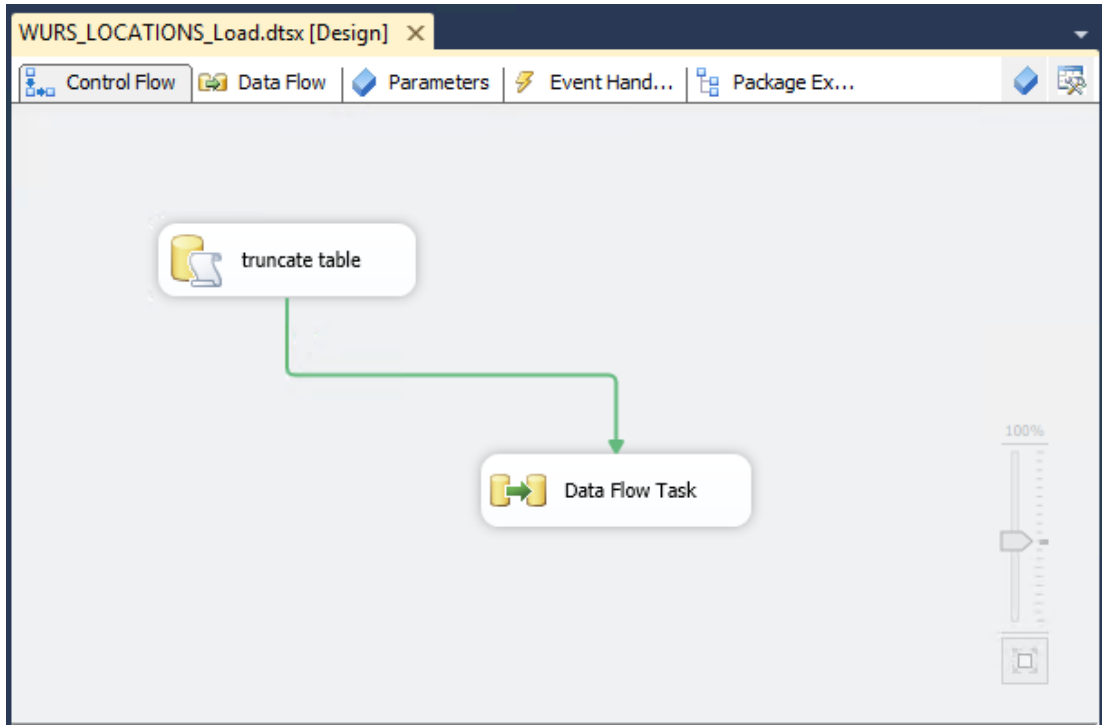


The above screenshot shows the Control Flow window.

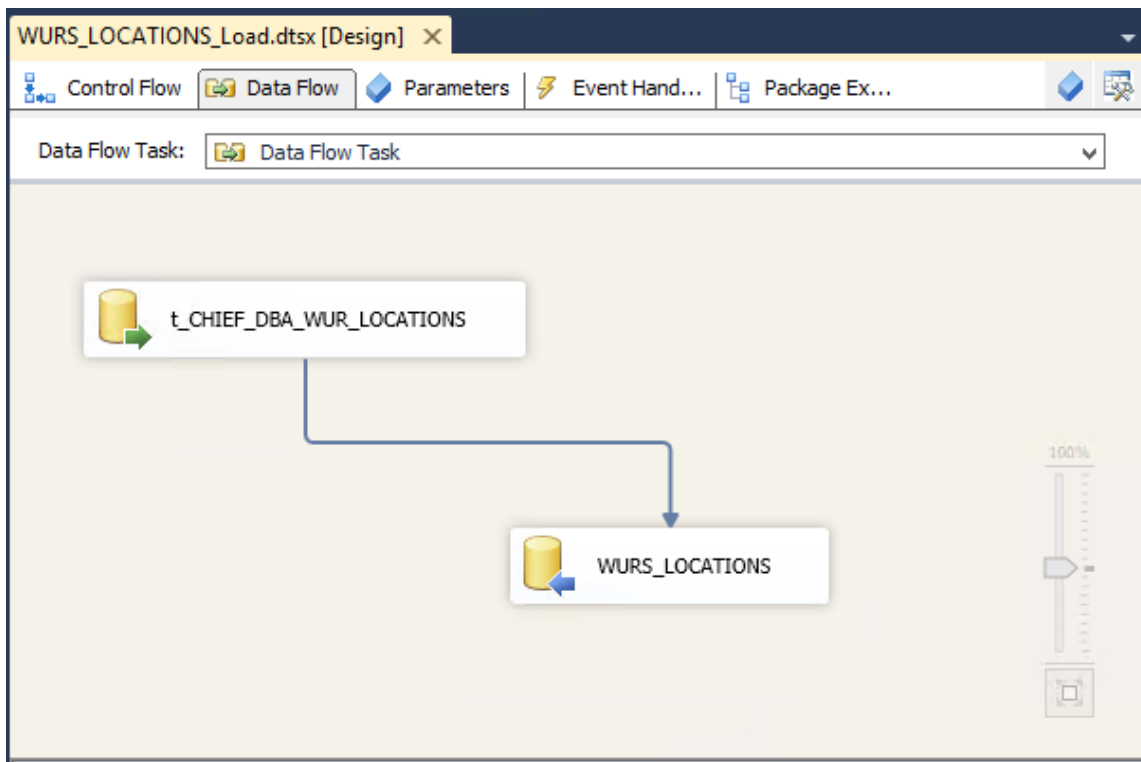


The above screenshot shows Data Flow window to show how data is loaded from "t_CHIEF_DBA_WUR_LICENCES (DataCentral_WURS_EMS_DB.accdb)" table into "WURS_LICENCES" Target table.

3.19 WURS_LOCATIONS_Load Package

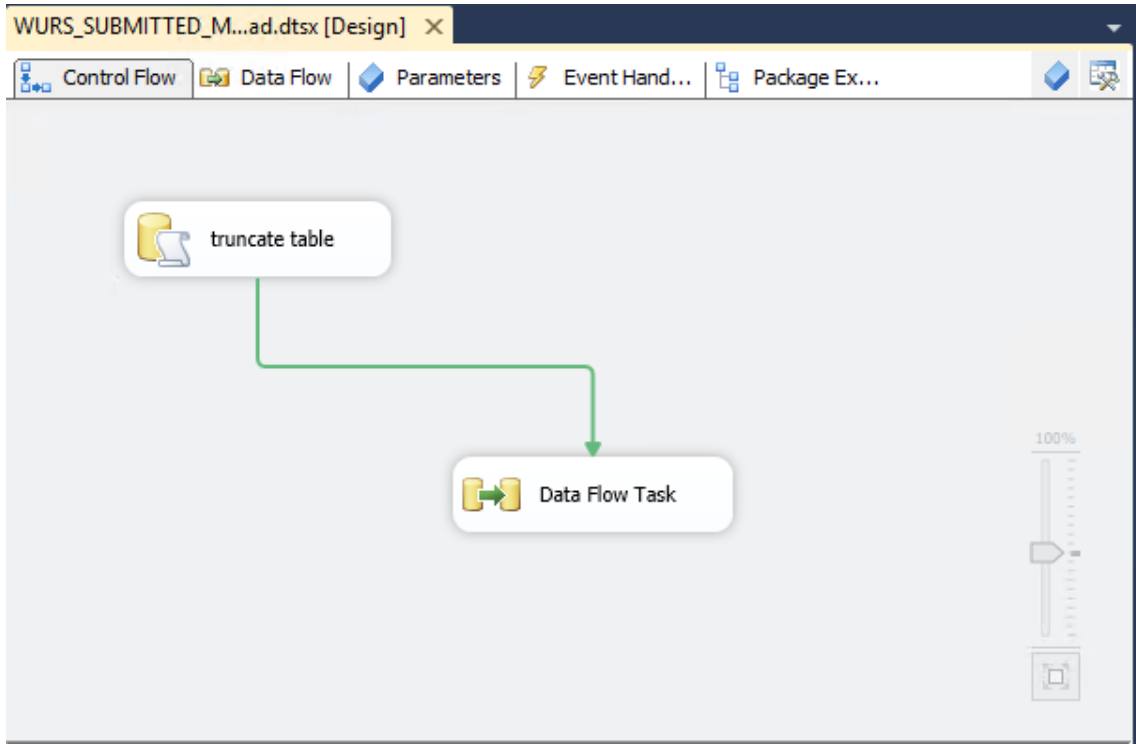


The above screenshot shows the Control Flow window.

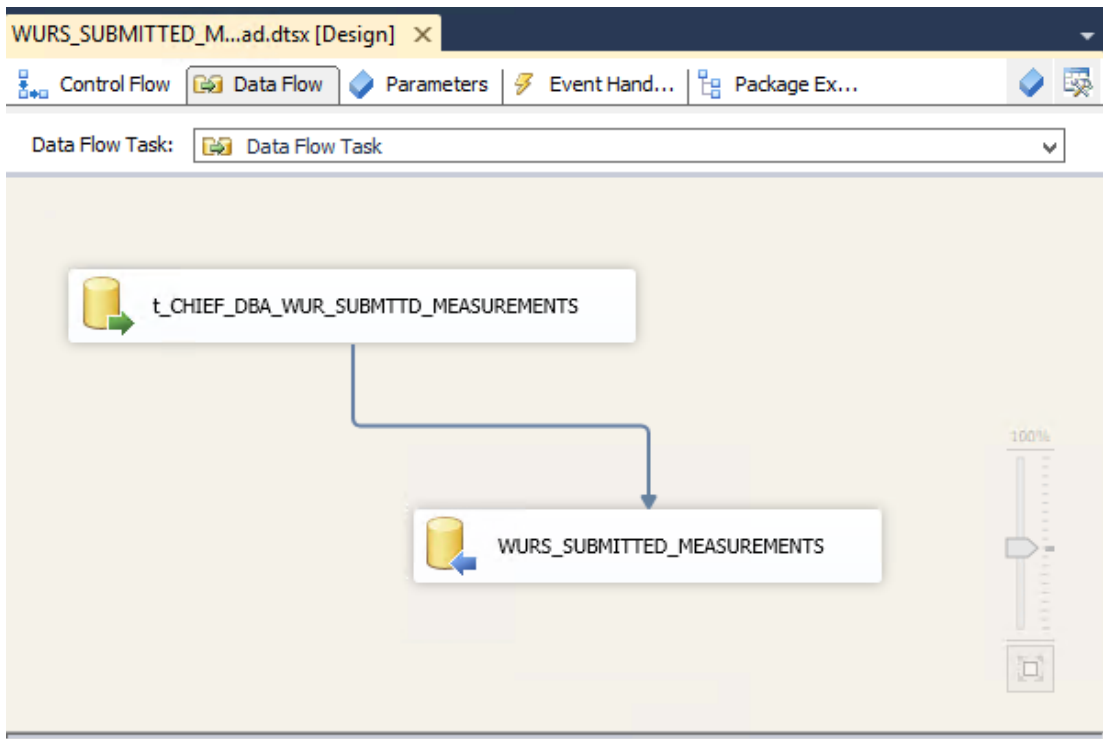


The above screenshot shows Data Flow window to show how data is loaded from "t_CHIEF_DBA_WUR_LOCATIONS (DataCentral_WURS_EMS_DB.accdb)" table into "WURS_LOCATIONS" Target table.

3.20 WURS_SUBMITTED_MEASUREMENTS_Load Package

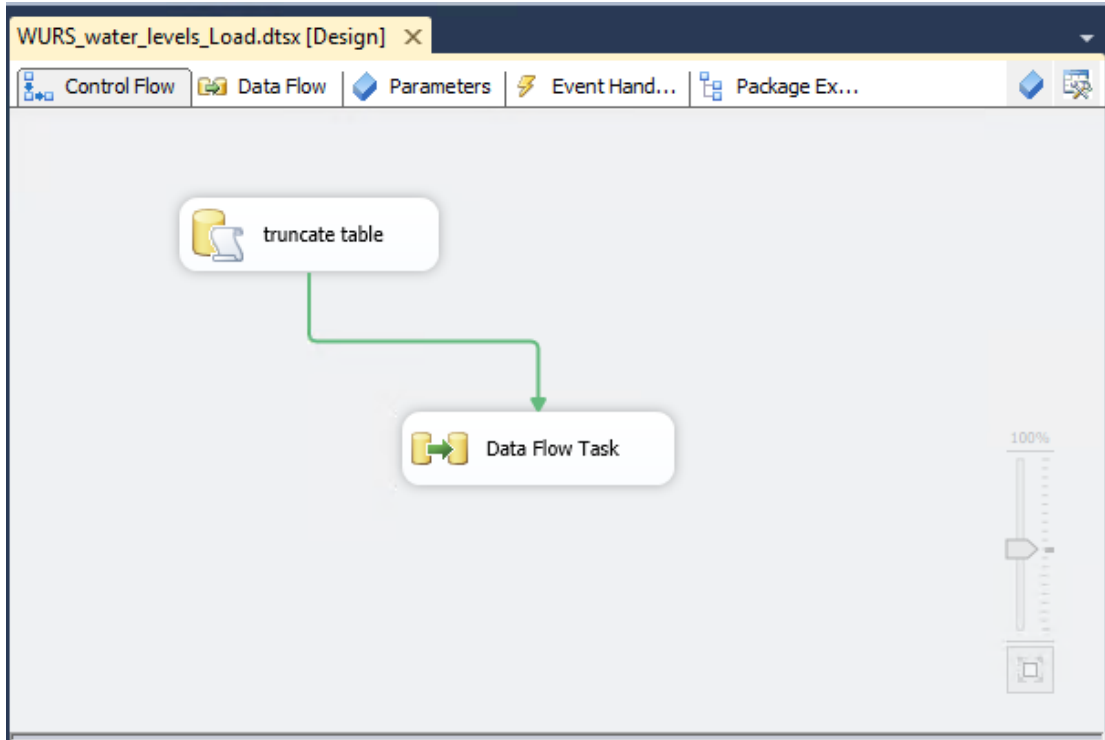


The above screenshot shows the Control Flow window.

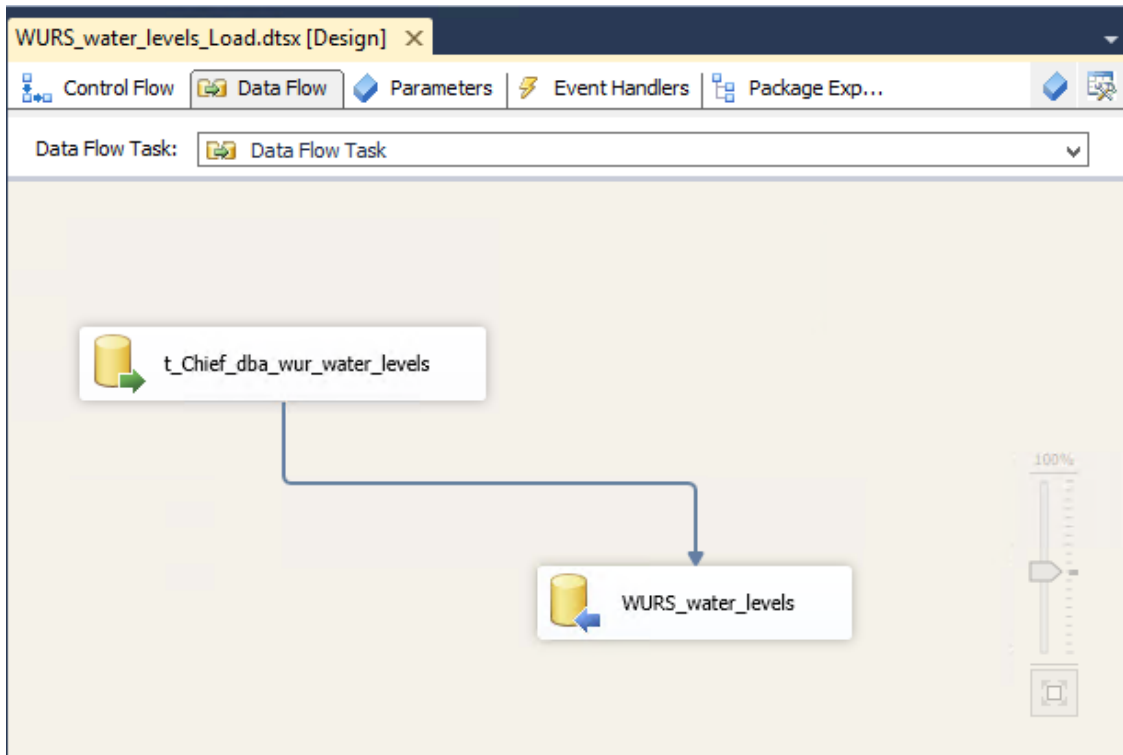


The above screenshot shows Data Flow window to show how data is loaded from "t_CHIEF_DBA_WUR_SUBMTTD_MEASUREMENTS (DataCentral_WURS_EMS_DB.accdb)" table into "WURS_SUBMITTED_MEASUREMENTS" Target table.

3.21 WURS_water_levels_Load Package

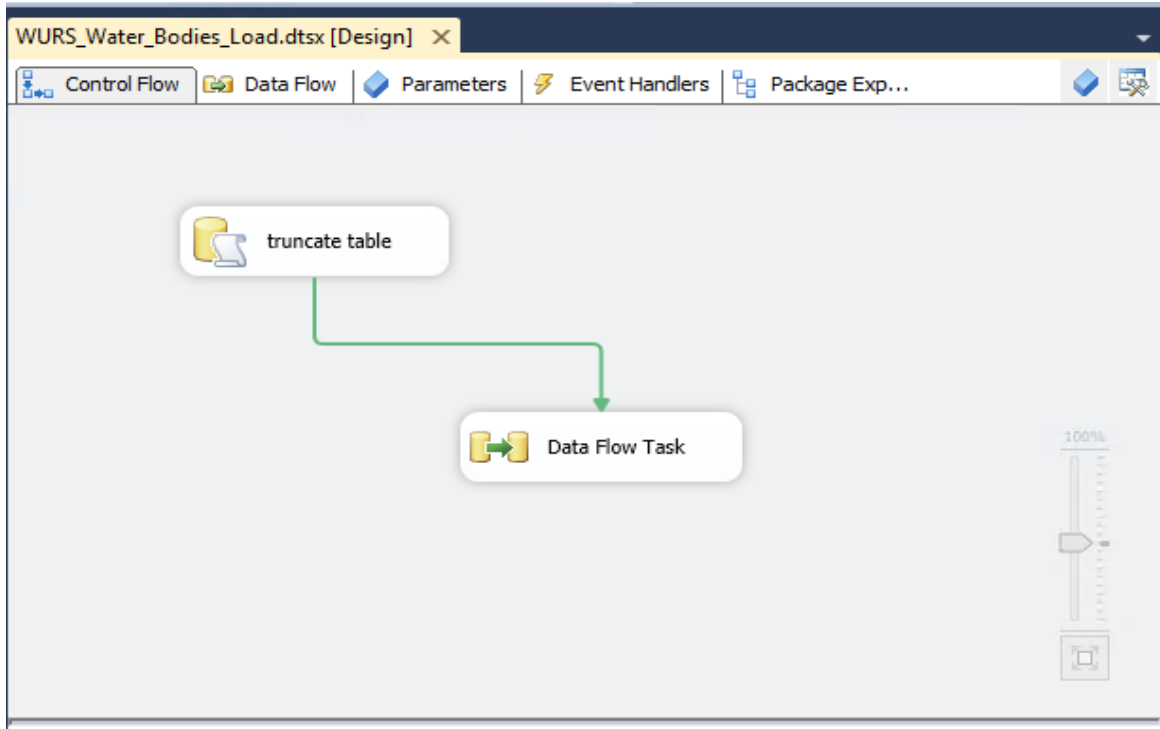


The above screenshot shows the Control Flow window.

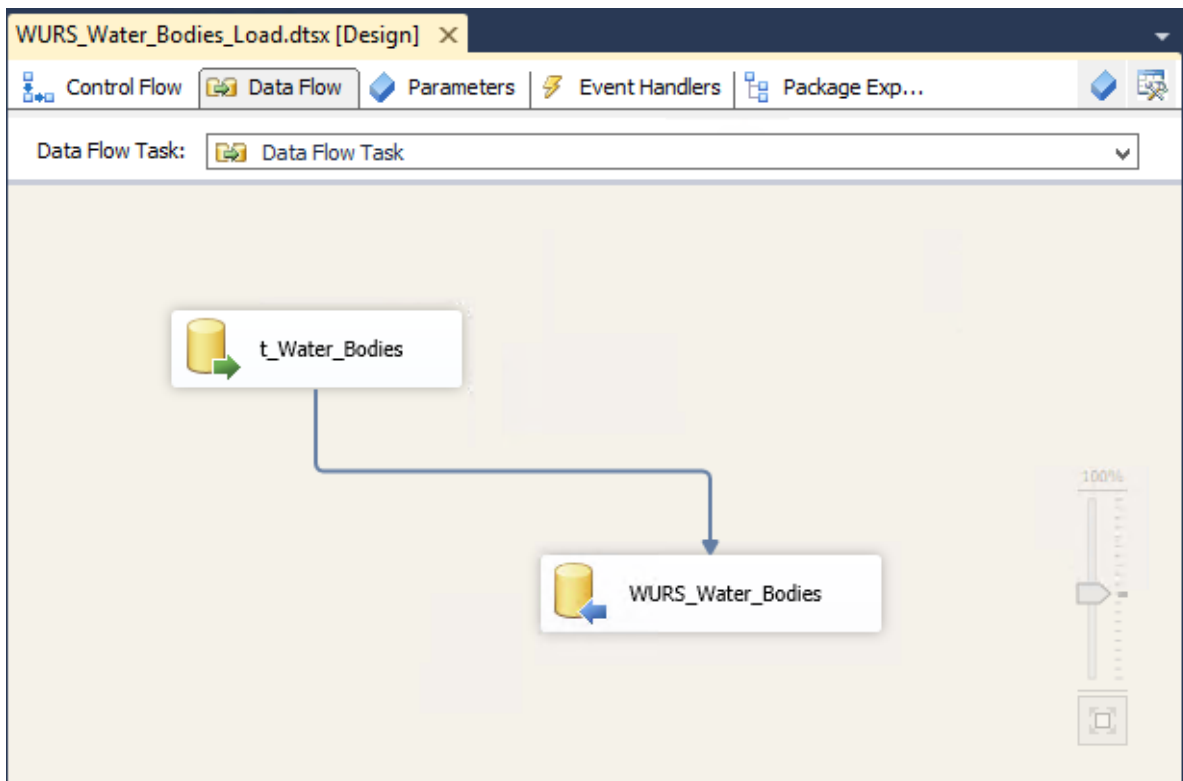


The above screenshot shows Data Flow window to show how data is loaded from “t_Chief_dba_wur_water_levels (DataCentral_WURS_EMS_DB.accdb)” table into “WURS_water_levels” Target table.

3.22 WURS_Water_Bodies_Load Package



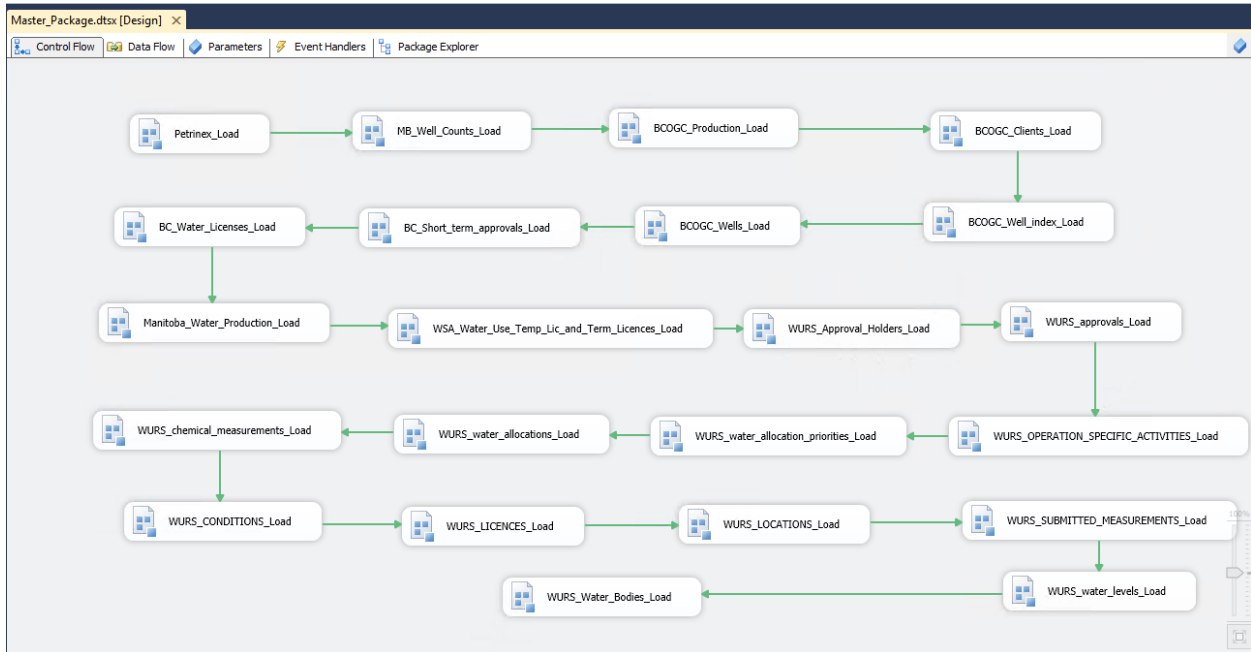
The above screenshot shows the Control Flow window.



The above screenshot shows Data Flow window to show how data is loaded from "t_Water_Bodies (DataCentral_WURS_EMS_DB.accdb)" table into "WURS_Water_Bodies" Target table.

3.23 Master_Package Package

This Master package contains all the individually created load packages as its children. When we run this master package all the child packages gets executed in the same sequence they are placed.



The above screenshot shows the Control Flow window

4.0 Logging

We have introduced logging feature in all the SSIS Packages that we have created. As logging can be done for different formats and destinations, we have considered writing log information in SQL Server.

On the SSIS menu, when clicked on Logging the “Configure SSIS Logs window” opens. We select the “SSIS log provider for SQL Server” in Provider Type and create logging for writing log information in SQL Server.

The below screenshot shows the log created in Petrinex_Load package.

