**Data Export Query Documentation**

**NPS Focused Condition Assessment Data Share, September 2019**

The following query exports were performed using the front-end application tools (Data Summarization). This tool contains form elements that the user can change to select and filter records by location (e.g., park, site/location, location type, location status, and park region) or event (e.g., by year or date range, whether to include uncertified data in output, and whether to include sampling events flagged as excluded for quality or incompleteness reasons). The form elements are conveyed to the queries in the form of subqueries – qsub\_Site\_filters, qsub\_Loc\_filters and qsub\_Event\_filters.

For this export, records were filtered as follows:

* Uncertified records were included (given the current, uncertified state of the data)
* All event records were included

Export Query Definitions and SQL Statements

1. qs\_b014\_Sites\_export - Sampling site metadata export

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, qsub\_Site\_filters.Site\_status, qsub\_Site\_filters.Site\_notes, qsub\_Site\_filters.Site\_established, qsub\_Site\_filters.Site\_discontinued

FROM qsub\_Site\_filters

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code;

1. qs\_b024\_Locations\_export - Sampling location metadata export

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, qsub\_Loc\_filters.Location\_code, qsub\_Loc\_filters.Location\_type, qsub\_Loc\_filters.Location\_status, qsub\_Loc\_filters.Loc\_established, qsub\_Loc\_filters.Loc\_discontinued

FROM qsub\_Site\_filters INNER JOIN qsub\_Loc\_filters ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Loc\_filters.Location\_code;

1. qs\_b034\_Events\_export - Sampling event metadata export, one event record per site/location-year. Includes descriptive location/site information.

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([Start\_date]) AS Event\_year, qsub\_Loc\_filters.Location\_code, qsub\_Loc\_filters.Location\_type, qsub\_Event\_filters.Event\_ID, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Start\_time, qsub\_Event\_filters.End\_time, qsub\_Event\_filters.Is\_excluded, qsub\_Event\_filters.QA\_notes, qsub\_Event\_filters.Event\_notes, qsub\_Event\_filters.Entered\_date, qsub\_Event\_filters.Updated\_date, qsub\_Event\_filters.Verified\_date

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN qsub\_Event\_filters ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([Start\_date]) DESC , qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Start\_date;

1. qs\_b044\_Event\_observers – Sampling event observers

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([Start\_date]) AS Event\_year, qsub\_Loc\_filters.Location\_code, qsub\_Loc\_filters.Location\_type, qsub\_Event\_filters.Start\_date, tbl\_Observers.Event\_ID, tbl\_Observers.Observer\_role, tbl\_Observers.Contact\_ID, tbl\_Observers.Observer\_notes

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN (qsub\_Event\_filters INNER JOIN tbl\_Observers ON qsub\_Event\_filters.Event\_ID = tbl\_Observers.Event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([Start\_date]) DESC , qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Start\_date;

1. qs\_b104\_Amphibian\_Transect\_Events - Sampling events associated with amphibian transect surveys

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([Start\_date]) AS Event\_year, qsub\_Loc\_filters.Location\_code, qsub\_Loc\_filters.Location\_type, qsub\_Event\_filters.Event\_ID, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, qsub\_Event\_filters.QA\_notes, qsub\_Event\_filters.Event\_notes, tbl\_Amphibian\_Transect\_Event.Air\_temperature\_c, tbl\_Amphibian\_Transect.Transect\_number, tbl\_Amphibian\_Transect.Water\_temperature\_c, tbl\_Amphibian\_Transect.Start\_time, tbl\_Amphibian\_Transect.End\_time, tbl\_Amphibian\_Transect.Transect\_distance\_m, tbl\_Amphibian\_Transect.UTM\_east, tbl\_Amphibian\_Transect.UTM\_north, tbl\_Amphibian\_Transect.Dominant\_habitat

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN ((qsub\_Event\_filters INNER JOIN tbl\_Amphibian\_Transect ON qsub\_Event\_filters.Event\_ID = tbl\_Amphibian\_Transect.Event\_ID) LEFT JOIN tbl\_Amphibian\_Transect\_Event ON qsub\_Event\_filters.Event\_ID = tbl\_Amphibian\_Transect\_Event.Event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([Start\_date]) DESC , qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Start\_date;

1. qs\_b114\_Amphibian\_Transect\_Obs – Amphibian transect observation records (0-multiple per sampling event)

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([Start\_date]) AS Event\_year, qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Event\_ID, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, tbl\_Amphibian\_Transect\_Event.Air\_temperature\_c, tbl\_Amphibian\_Transect.Transect\_number, tbl\_Amphibian\_Transect.Water\_temperature\_c, tbl\_Amphibian\_Transect.Start\_time, tbl\_Amphibian\_Transect.End\_time, tbl\_Amphibian\_Transect.Transect\_distance\_m, tbl\_Amphibian\_Transect.UTM\_east, tbl\_Amphibian\_Transect.UTM\_north, tbl\_Amphibian\_Transect.Dominant\_habitat, tbl\_Amphibian\_Transect\_Counts.Species\_code, tbl\_Amphibian\_Transect\_Counts.Life\_stage\_code, tbl\_Amphibian\_Transect\_Counts.Count, tbl\_Amphibian\_Transect\_Counts.Count\_method, tbl\_Amphibian\_Transect\_Counts.Habitat\_code, tbl\_Amphibian\_Transect\_Counts.Specimen\_length\_mm, tbl\_Amphibian\_Transect\_Counts.Comments

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN ((qsub\_Event\_filters INNER JOIN (tbl\_Amphibian\_Transect INNER JOIN tbl\_Amphibian\_Transect\_Counts ON tbl\_Amphibian\_Transect.Amphibian\_transect\_ID = tbl\_Amphibian\_Transect\_Counts.Amphibian\_transect\_ID) ON qsub\_Event\_filters.Event\_ID = tbl\_Amphibian\_Transect.Event\_ID) LEFT JOIN tbl\_Amphibian\_Transect\_Event ON qsub\_Event\_filters.Event\_ID = tbl\_Amphibian\_Transect\_Event.Event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([Start\_date]) DESC , qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Start\_date;

1. qs\_b124\_Amphibian\_VES\_Events - Sampling events associated with amphibian visual estimation surveys

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([Start\_date]) AS Event\_year, qsub\_Loc\_filters.Location\_code, qsub\_Loc\_filters.Location\_type, qsub\_Event\_filters.Event\_ID, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, qsub\_Event\_filters.QA\_notes, qsub\_Event\_filters.Event\_notes, tbl\_Amphibian\_VES\_Event.Amphibian\_ves\_event\_ID, tbl\_Amphibian\_VES\_Event.VES\_number, tbl\_Amphibian\_VES\_Event.Start\_time, tbl\_Amphibian\_VES\_Event.End\_time, tbl\_Amphibian\_VES\_Event.Total\_time\_min, tbl\_Amphibian\_VES\_Event.Num\_observers, tbl\_Amphibian\_VES\_Event.Survey\_perimeter\_m, tbl\_Amphibian\_VES\_Event.Num\_sites, tbl\_Amphibian\_VES\_Event.None\_seen\_tf

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN (qsub\_Event\_filters INNER JOIN tbl\_Amphibian\_VES\_Event ON qsub\_Event\_filters.Event\_ID = tbl\_Amphibian\_VES\_Event.Event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([Start\_date]) DESC , qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Start\_date;

1. qs\_b134\_Amphibian\_VES\_Habitat – Habitat observations associated with amphibian transect surveys (0-multiple per sampling event)

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([Start\_date]) AS Event\_year, qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Event\_ID, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, tbl\_Amphibian\_VES\_Event.Amphibian\_ves\_event\_ID, tbl\_Amphibian\_VES\_Event.VES\_number, tbl\_Amphibian\_Habitat.Site\_num, tbl\_Amphibian\_Habitat.Substrate\_type\_1, tbl\_Amphibian\_Habitat.Substrate\_type\_2, tbl\_Amphibian\_Habitat.Substrate\_type\_3, tbl\_Amphibian\_Habitat.Substrate\_type\_4, tbl\_Amphibian\_Habitat.Percent\_CWD, tbl\_Amphibian\_Habitat.CPOM\_present\_yn, tbl\_Amphibian\_Habitat.Veg\_emerg\_yn, tbl\_Amphibian\_Habitat.Veg\_float\_yn, tbl\_Amphibian\_Habitat.Veg\_submerg\_yn

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN (qsub\_Event\_filters INNER JOIN (tbl\_Amphibian\_VES\_Event INNER JOIN tbl\_Amphibian\_Habitat ON tbl\_Amphibian\_VES\_Event.Amphibian\_ves\_event\_ID = tbl\_Amphibian\_Habitat.Amphibian\_ves\_event\_ID) ON qsub\_Event\_filters.Event\_ID = tbl\_Amphibian\_VES\_Event.Event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([Start\_date]) DESC , qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Start\_date, tbl\_Amphibian\_VES\_Event.VES\_number, tbl\_Amphibian\_Habitat.Site\_num;

1. qs\_b144\_Amphibian\_VES\_Counts – Amphibian visual estimation survey count data, by site, species, life stage and method (0-multiple per sample event)

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([Start\_date]) AS Event\_year, qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Event\_ID, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, tbl\_Amphibian\_VES\_Event.Amphibian\_ves\_event\_ID, tbl\_Amphibian\_VES\_Event.VES\_number, tbl\_Amphibian\_VES\_Counts.Site\_num, tbl\_Amphibian\_VES\_Counts.Species\_code, tbl\_Amphibian\_VES\_Counts.Life\_stage\_code, tbl\_Amphibian\_VES\_Counts.Sample\_method, tbl\_Amphibian\_VES\_Counts.Count\_method, tbl\_Amphibian\_VES\_Counts.Count, tbl\_Amphibian\_VES\_Counts.Comments

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN (qsub\_Event\_filters INNER JOIN (tbl\_Amphibian\_VES\_Event INNER JOIN tbl\_Amphibian\_VES\_Counts ON tbl\_Amphibian\_VES\_Event.Amphibian\_ves\_event\_ID = tbl\_Amphibian\_VES\_Counts.Amphibian\_ves\_event\_ID) ON qsub\_Event\_filters.Event\_ID = tbl\_Amphibian\_VES\_Event.Event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([Start\_date]) DESC , qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Start\_date, tbl\_Amphibian\_VES\_Event.VES\_number, tbl\_Amphibian\_VES\_Counts.Site\_num;

1. qs\_b154\_Amphibian\_VES\_Specimens – Amphibian visual estimation survey specimens (0-multiple per sample event)

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([Start\_date]) AS Event\_year, qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Event\_ID, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, tbl\_Amphibian\_VES\_Event.Amphibian\_ves\_event\_ID, tbl\_Amphibian\_VES\_Event.VES\_number, tbl\_Amphibian\_Specimens.Amphibian\_ves\_specimen\_ID, tbl\_Amphibian\_Specimens.Species\_code, tbl\_Amphibian\_Specimens.Life\_stage\_code, tbl\_Amphibian\_Specimens.Total\_length\_mm, tbl\_Amphibian\_Specimens.[Snout-vent\_length\_mm], tbl\_Amphibian\_Specimens.Comments

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN (qsub\_Event\_filters INNER JOIN (tbl\_Amphibian\_VES\_Event INNER JOIN tbl\_Amphibian\_Specimens ON tbl\_Amphibian\_VES\_Event.Amphibian\_ves\_event\_ID = tbl\_Amphibian\_Specimens.Amphibian\_ves\_event\_ID) ON qsub\_Event\_filters.Event\_ID = tbl\_Amphibian\_VES\_Event.Event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([Start\_date]) DESC , qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Start\_date, tbl\_Amphibian\_VES\_Event.VES\_number;

1. qs\_b204\_Fish\_Angling\_Event\_Counts – Fish angling event information and associated count data by species and life stage

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([Start\_date]) AS Event\_year, qsub\_Loc\_filters.Location\_code, qsub\_Loc\_filters.Location\_type, qsub\_Event\_filters.Event\_ID, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, qsub\_Event\_filters.QA\_notes, qsub\_Event\_filters.Event\_notes, tbl\_Angling\_Event.Total\_time\_fished\_hr, tbl\_Angling\_Event.None\_caught\_tf, tbl\_Angling\_Counts.Fish\_taxon\_code, tbl\_Angling\_Counts.Fish\_life\_stage, tbl\_Angling\_Counts.Count

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN (qsub\_Event\_filters INNER JOIN (tbl\_Angling\_Event LEFT JOIN tbl\_Angling\_Counts ON tbl\_Angling\_Event.Angling\_event\_ID = tbl\_Angling\_Counts.Angling\_event\_ID) ON qsub\_Event\_filters.Event\_ID = tbl\_Angling\_Event.Event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([Start\_date]) DESC , qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Start\_date;

1. qs\_b214\_Fish\_VES\_Event\_Counts – Fish visual estimation count event information and total counts by species, life stage, and method

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([Start\_date]) AS Event\_year, qsub\_Loc\_filters.Location\_code, qsub\_Loc\_filters.Location\_type, qsub\_Event\_filters.Event\_ID, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, qsub\_Event\_filters.QA\_notes, qsub\_Event\_filters.Event\_notes, tbl\_Fish\_VES\_Event.Fish\_ves\_event\_ID, tbl\_Fish\_VES\_Event.Total\_time\_hr, tbl\_Fish\_VES\_Event.None\_seen\_tf, tbl\_Fish\_VES\_Counts.Fish\_ves\_count\_ID, tbl\_Fish\_VES\_Counts.Fish\_taxon\_code, tbl\_Fish\_VES\_Counts.Fish\_life\_stage, tbl\_Fish\_VES\_Counts.Sample\_method, tbl\_Fish\_VES\_Counts.Count\_method, tbl\_Fish\_VES\_Counts.Count\_n, tbl\_Fish\_VES\_Counts.Comments

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN ((qsub\_Event\_filters INNER JOIN tbl\_Fish\_VES\_Event ON qsub\_Event\_filters.Event\_ID = tbl\_Fish\_VES\_Event.Event\_ID) LEFT JOIN tbl\_Fish\_VES\_Counts ON tbl\_Fish\_VES\_Event.Fish\_ves\_event\_ID = tbl\_Fish\_VES\_Counts.Fish\_ves\_event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([Start\_date]) DESC , qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Start\_date;

1. qs\_b224\_Fish\_VES\_Event\_Obs – Fish visual estimation observatiops by species, life stage

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([Start\_date]) AS Event\_year, qsub\_Loc\_filters.Location\_code, qsub\_Loc\_filters.Location\_type, qsub\_Event\_filters.Event\_ID, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, qsub\_Event\_filters.QA\_notes, qsub\_Event\_filters.Event\_notes, tbl\_Fish\_VES\_Event.Fish\_ves\_event\_ID, tbl\_Fish\_VES\_Event.Total\_time\_hr, tbl\_Fish\_VES\_Event.None\_seen\_tf, tbl\_Fish\_VES\_Observations.Fish\_taxon\_code, tbl\_Fish\_VES\_Observations.Fish\_life\_stage, tbl\_Fish\_VES\_Observations.Contact\_ID, tbl\_Fish\_VES\_Observations.Comments

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN ((qsub\_Event\_filters INNER JOIN tbl\_Fish\_VES\_Event ON qsub\_Event\_filters.Event\_ID = tbl\_Fish\_VES\_Event.Event\_ID) LEFT JOIN tbl\_Fish\_VES\_Observations ON tbl\_Fish\_VES\_Event.Fish\_ves\_event\_ID = tbl\_Fish\_VES\_Observations.Fish\_ves\_event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([Start\_date]) DESC , qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Start\_date;

1. qs\_b234\_Fish\_Gill\_Net\_Event\_Counts – Fish gill net count event information and total counts by species

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([qsub\_Event\_filters].[Start\_date]) AS Event\_year, qsub\_Loc\_filters.Location\_code, qsub\_Loc\_filters.Location\_type, qsub\_Event\_filters.Event\_ID, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, qsub\_Event\_filters.QA\_notes, qsub\_Event\_filters.Event\_notes, tbl\_Gill\_Net\_Event.Gill\_net\_event\_ID, tbl\_Gill\_Net\_Event.Gill\_net\_number, tbl\_Gill\_Net\_Event.Start\_date, tbl\_Gill\_Net\_Event.Start\_time, tbl\_Gill\_Net\_Event.End\_date, tbl\_Gill\_Net\_Event.End\_time, tbl\_Gill\_Net\_Event.Total\_time\_min, tbl\_Gill\_Net\_Counts.Fish\_taxon\_code, tbl\_Gill\_Net\_Counts.Count\_n

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN ((qsub\_Event\_filters INNER JOIN tbl\_Gill\_Net\_Event ON qsub\_Event\_filters.Event\_ID = tbl\_Gill\_Net\_Event.Event\_ID) LEFT JOIN tbl\_Gill\_Net\_Counts ON tbl\_Gill\_Net\_Event.Gill\_net\_event\_ID = tbl\_Gill\_Net\_Counts.Gill\_net\_event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([qsub\_Event\_filters].[Start\_date]) DESC , qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Start\_date;

1. qs\_b244\_Fish\_Gill\_Net\_Event\_Specimens – Fish gill net specimens

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([qsub\_Event\_filters].[Start\_date]) AS Event\_year, qsub\_Loc\_filters.Location\_code, qsub\_Loc\_filters.Location\_type, qsub\_Event\_filters.Event\_ID, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, qsub\_Event\_filters.QA\_notes, qsub\_Event\_filters.Event\_notes, tbl\_Gill\_Net\_Event.Gill\_net\_event\_ID, tbl\_Gill\_Net\_Event.Gill\_net\_number, tbl\_Gill\_Net\_Event.Start\_date, tbl\_Gill\_Net\_Event.Start\_time, tbl\_Gill\_Net\_Event.End\_date, tbl\_Gill\_Net\_Event.End\_time, tbl\_Gill\_Net\_Event.Total\_time\_min, tbl\_Gill\_Net\_Specimens.Fish\_taxon\_code, tbl\_Gill\_Net\_Specimens.Total\_length\_mm, tbl\_Gill\_Net\_Specimens.Fork\_length\_mm, tbl\_Gill\_Net\_Specimens.Weight\_g

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN ((qsub\_Event\_filters INNER JOIN tbl\_Gill\_Net\_Event ON qsub\_Event\_filters.Event\_ID = tbl\_Gill\_Net\_Event.Event\_ID) INNER JOIN tbl\_Gill\_Net\_Specimens ON tbl\_Gill\_Net\_Event.Gill\_net\_event\_ID = tbl\_Gill\_Net\_Specimens.Gill\_net\_event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([qsub\_Event\_filters].[Start\_date]) DESC , qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Start\_date;

1. qs\_b304\_Lake\_Level\_Events – Lake level event observations

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([Start\_date]) AS Event\_year, qsub\_Loc\_filters.Location\_code, qsub\_Loc\_filters.Location\_type, qsub\_Event\_filters.Event\_ID, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, qsub\_Event\_filters.QA\_notes, qsub\_Event\_filters.Event\_notes, tbl\_Lake\_Level.Mean\_level\_cm, tbl\_Lake\_Level.Comments

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN (qsub\_Event\_filters INNER JOIN tbl\_Lake\_Level ON qsub\_Event\_filters.Event\_ID = tbl\_Lake\_Level.Event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([Start\_date]) DESC , qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Start\_date;

1. qs\_b314\_Water\_Clarity\_Events – Water clarity event observations

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([Start\_date]) AS Event\_year, qsub\_Loc\_filters.Location\_code, qsub\_Loc\_filters.Location\_type, qsub\_Event\_filters.Event\_ID, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, qsub\_Event\_filters.QA\_notes, qsub\_Event\_filters.Event\_notes, tbl\_Water\_Clarity\_Event.Cloud\_cover, tbl\_Water\_Clarity\_Event.Glare, tbl\_Water\_Clarity\_Event.Lake\_surface, tbl\_Water\_Clarity\_Event.Sample\_site\_depth\_m, tbl\_Water\_Clarity\_Event.Time\_of\_measurement, tbl\_Water\_Clarity\_Event.Bottom\_visible\_yn, tbl\_Water\_Clarity\_Event.Sonar\_used\_yn, tbl\_Water\_Clarity\_Event.Secchi\_value\_m, tbl\_Water\_Clarity\_Event.Secchi\_value\_greaterthan\_tf, tbl\_Water\_Clarity\_Event.Secchi\_value\_replicate\_m

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN (qsub\_Event\_filters INNER JOIN tbl\_Water\_Clarity\_Event ON qsub\_Event\_filters.Event\_ID = tbl\_Water\_Clarity\_Event.Event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([Start\_date]) DESC , qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Start\_date;

1. qs\_b324\_Water\_Clarity\_Secchi\_Replicates – Secchi replicates associated with water clarity event observations

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([Start\_date]) AS Event\_year, qsub\_Loc\_filters.Location\_code, qsub\_Loc\_filters.Location\_type, qsub\_Event\_filters.Event\_ID, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, qsub\_Event\_filters.QA\_notes, qsub\_Event\_filters.Event\_notes, tbl\_Water\_Clarity\_Event.Cloud\_cover, tbl\_Water\_Clarity\_Event.Glare, tbl\_Water\_Clarity\_Event.Lake\_surface, tbl\_Water\_Clarity\_Event.Sample\_site\_depth\_m, tbl\_Water\_Clarity\_Event.Time\_of\_measurement, tbl\_Water\_Clarity\_Event.Bottom\_visible\_yn, tbl\_Water\_Clarity\_Event.Sonar\_used\_yn, tbl\_Water\_Clarity\_Event.Secchi\_value\_m, tbl\_Water\_Clarity\_Event.Secchi\_value\_greaterthan\_tf, tbl\_Water\_Clarity\_Event.Secchi\_value\_replicate\_m, tbl\_Secchi\_Depth.Secchi\_test\_num, tbl\_Secchi\_Depth.Replicate\_tf, tbl\_Secchi\_Depth.Descend\_depth\_m, tbl\_Secchi\_Depth.Ascend\_depth\_m, tbl\_Secchi\_Depth.Average\_depth\_m

FROM (qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN (qsub\_Event\_filters INNER JOIN tbl\_Water\_Clarity\_Event ON qsub\_Event\_filters.Event\_ID = tbl\_Water\_Clarity\_Event.Event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID) INNER JOIN tbl\_Secchi\_Depth ON tbl\_Water\_Clarity\_Event.Water\_clarity\_event\_ID = tbl\_Secchi\_Depth.Water\_clarity\_event\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([Start\_date]) DESC , qsub\_Loc\_filters.Location\_code, qsub\_Event\_filters.Start\_date;

1. qs\_b334\_Water\_Chemistry\_Samples\_all – Water chemistry sampling event information (0-many per sampling event). Includes all depth samples for dissolved organic carbon and other analytes.

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, qsub\_Loc\_filters.Location\_code, qsub\_Loc\_filters.Location\_type, Year([Start\_date]) AS Event\_year, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, qsub\_Event\_filters.QA\_notes, qsub\_Event\_filters.Event\_notes, qsub\_Event\_filters.Event\_ID, tbl\_Water\_Sample.Water\_sample\_ID, tbl\_Water\_Sample.Water\_sample\_depth, tbl\_Water\_Sample.Water\_sample\_type, tbl\_Water\_Sample.Replicate\_tf, tbl\_Water\_Sample.Field\_blank\_tf, tbl\_Water\_Sample.Water\_sample\_depth\_value, tbl\_Water\_Sample.Lab, tbl\_Water\_Sample.Water\_sample\_lab\_ID

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN (qsub\_Event\_filters INNER JOIN tbl\_Water\_Sample ON qsub\_Event\_filters.Event\_ID = tbl\_Water\_Sample.Event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Loc\_filters.Location\_code, Year([Start\_date]) DESC , qsub\_Event\_filters.Start\_date, tbl\_Water\_Sample.Water\_sample\_depth, tbl\_Water\_Sample.Water\_sample\_type;

1. qs\_b334\_Water\_Chemistry\_Samples\_select – Water chemistry sampling event information (0-many per sampling event). Limited to mid-depth samples except for dissolved organic carbon, and surface samples for dissolved organic carbon.

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, qsub\_Loc\_filters.Location\_code, qsub\_Loc\_filters.Location\_type, Year([Start\_date]) AS Event\_year, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, qsub\_Event\_filters.QA\_notes, qsub\_Event\_filters.Event\_notes, qsub\_Event\_filters.Event\_ID, tbl\_Water\_Sample.Water\_sample\_ID, tbl\_Water\_Sample.Water\_sample\_depth, tbl\_Water\_Sample.Water\_sample\_type, tbl\_Water\_Sample.Replicate\_tf, tbl\_Water\_Sample.Field\_blank\_tf, tbl\_Water\_Sample.Water\_sample\_depth\_value, tbl\_Water\_Sample.Lab, tbl\_Water\_Sample.Water\_sample\_lab\_ID

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN (qsub\_Event\_filters INNER JOIN tbl\_Water\_Sample ON qsub\_Event\_filters.Event\_ID = tbl\_Water\_Sample.Event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

WHERE (((tbl\_Water\_Sample.Water\_sample\_depth)="Mid-Depth") AND ((tbl\_Water\_Sample.Water\_sample\_type)<>"Dissolved Organic Carbon")) OR (((tbl\_Water\_Sample.Water\_sample\_depth)="Surface") AND ((tbl\_Water\_Sample.Water\_sample\_type)="Dissolved Organic Carbon"))

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Loc\_filters.Location\_code, Year([Start\_date]) DESC , qsub\_Event\_filters.Start\_date, tbl\_Water\_Sample.Water\_sample\_depth, tbl\_Water\_Sample.Water\_sample\_type;

1. qs\_b344\_Water\_Chemistry\_Data\_all – Water chemistry data from lab analysis (0-many per sampling event). Includes all depth samples for dissolved organic carbon and other analytes.

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([Start\_date]) AS Event\_year, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, qsub\_Event\_filters.QA\_notes, qsub\_Event\_filters.Event\_notes, qsub\_Event\_filters.Event\_ID, tbl\_Water\_Sample.Water\_sample\_ID, tbl\_Water\_Sample.Water\_sample\_depth, tbl\_Water\_Sample.Water\_sample\_type, tbl\_Water\_Sample.Replicate\_tf, tbl\_Water\_Sample.Field\_blank\_tf, tbl\_Water\_Sample.Water\_sample\_depth\_value, tbx\_Lab\_Parameters.Parameter AS Analyte, tbl\_Water\_Sample\_Chemistry.Parameter\_value AS [Value], tbl\_Water\_Sample\_Chemistry.Parameter\_units AS Units, tbl\_Water\_Sample.Lab, tbl\_Water\_Sample\_Chemistry.Lab\_replicate\_tf, tbl\_Water\_Sample\_Chemistry.Processing\_flag, tbl\_Water\_Sample\_Chemistry.Quality\_flag, tbl\_Water\_Sample\_Chemistry.Comment, tbl\_Water\_Sample\_Chemistry.DPL\_code, tbl\_Water\_Sample\_Chemistry.DPL\_date, tbl\_Water\_Sample\_Chemistry.DPL\_user

FROM tbx\_Lab\_Parameters INNER JOIN ((qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN (qsub\_Event\_filters INNER JOIN tbl\_Water\_Sample ON qsub\_Event\_filters.Event\_ID = tbl\_Water\_Sample.Event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID) INNER JOIN tbl\_Water\_Sample\_Chemistry ON tbl\_Water\_Sample.Water\_sample\_ID = tbl\_Water\_Sample\_Chemistry.Water\_sample\_ID) ON tbx\_Lab\_Parameters.Lab\_parameter\_ID = tbl\_Water\_Sample\_Chemistry.Lab\_parameter\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([Start\_date]) DESC , qsub\_Event\_filters.Start\_date, tbl\_Water\_Sample.Water\_sample\_type, tbx\_Lab\_Parameters.Parameter;

1. qs\_b344\_Water\_Chemistry\_Data\_select – Water chemistry data from lab analysis (0-many per sampling event). Limited to mid-depth samples except for dissolved organic carbon, and surface samples for dissolved organic carbon.

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([Start\_date]) AS Event\_year, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, qsub\_Event\_filters.QA\_notes, qsub\_Event\_filters.Event\_notes, qsub\_Event\_filters.Event\_ID, tbl\_Water\_Sample.Water\_sample\_ID, tbl\_Water\_Sample.Water\_sample\_depth, tbl\_Water\_Sample.Water\_sample\_type, tbl\_Water\_Sample.Replicate\_tf, tbl\_Water\_Sample.Field\_blank\_tf, tbl\_Water\_Sample.Water\_sample\_depth\_value, tbx\_Lab\_Parameters.Parameter AS Analyte, tbl\_Water\_Sample\_Chemistry.Parameter\_value AS [Value], tbl\_Water\_Sample\_Chemistry.Parameter\_units AS Units, tbl\_Water\_Sample.Lab, tbl\_Water\_Sample\_Chemistry.Lab\_replicate\_tf, tbl\_Water\_Sample\_Chemistry.Processing\_flag, tbl\_Water\_Sample\_Chemistry.Quality\_flag, tbl\_Water\_Sample\_Chemistry.Comment, tbl\_Water\_Sample\_Chemistry.DPL\_code, tbl\_Water\_Sample\_Chemistry.DPL\_date, tbl\_Water\_Sample\_Chemistry.DPL\_user

FROM tbx\_Lab\_Parameters INNER JOIN ((qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN (qsub\_Event\_filters INNER JOIN tbl\_Water\_Sample ON qsub\_Event\_filters.Event\_ID = tbl\_Water\_Sample.Event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID) INNER JOIN tbl\_Water\_Sample\_Chemistry ON tbl\_Water\_Sample.Water\_sample\_ID = tbl\_Water\_Sample\_Chemistry.Water\_sample\_ID) ON tbx\_Lab\_Parameters.Lab\_parameter\_ID = tbl\_Water\_Sample\_Chemistry.Lab\_parameter\_ID

WHERE (((tbl\_Water\_Sample.Water\_sample\_depth)="Mid-Depth") AND ((tbl\_Water\_Sample.Water\_sample\_type)<>"Dissolved Organic Carbon")) OR (((tbl\_Water\_Sample.Water\_sample\_depth)="Surface") AND ((tbl\_Water\_Sample.Water\_sample\_type)="Dissolved Organic Carbon"))

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([Start\_date]) DESC , qsub\_Event\_filters.Start\_date, tbl\_Water\_Sample.Water\_sample\_type, tbx\_Lab\_Parameters.Parameter;

1. qs\_b354\_Water\_Column\_Profile\_Events – Water column profile event information

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, qsub\_Loc\_filters.Location\_code, qsub\_Loc\_filters.Location\_type, Year([Start\_date]) AS Event\_year, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, qsub\_Event\_filters.QA\_notes, qsub\_Event\_filters.Event\_notes, qsub\_Event\_filters.Event\_ID

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN (qsub\_Event\_filters INNER JOIN tbl\_Water\_Column\_Profile ON qsub\_Event\_filters.Event\_ID = tbl\_Water\_Column\_Profile.Event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

GROUP BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, qsub\_Loc\_filters.Location\_code, qsub\_Loc\_filters.Location\_type, Year([Start\_date]), qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, qsub\_Event\_filters.QA\_notes, qsub\_Event\_filters.Event\_notes, qsub\_Event\_filters.Event\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Loc\_filters.Location\_code, Year([Start\_date]) DESC , qsub\_Event\_filters.Start\_date;

1. qs\_b364\_Water\_Column\_Profile\_Data – Water column profile data by depth bin category, parameter, replicate and log time (0-many per sampling event). Typically only the last seven values per depth bin were retained.

SELECT qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, qsub\_Site\_filters.Site\_name, Year([Start\_date]) AS Event\_year, qsub\_Event\_filters.Start\_date, qsub\_Event\_filters.Is\_excluded, qsub\_Event\_filters.Event\_ID, tbl\_Water\_Column\_Profile.Depth\_bin\_m, tbl\_Water\_Column\_Profile.Logtime AS [Timestamp], tbl\_Water\_Column\_Profile.Parameter, tbl\_Water\_Column\_Profile.Replicate\_tf, tbl\_Water\_Column\_Profile.Parameter\_value, tbl\_Water\_Column\_Profile.Processing\_flag, tbl\_Water\_Column\_Profile.Quality\_flag, tbl\_Water\_Column\_Profile.DPL\_code, tbl\_Water\_Column\_Profile.DPL\_date, tbl\_Water\_Column\_Profile.DPL\_user

FROM qsub\_Site\_filters INNER JOIN (qsub\_Loc\_filters INNER JOIN (qsub\_Event\_filters INNER JOIN tbl\_Water\_Column\_Profile ON qsub\_Event\_filters.Event\_ID = tbl\_Water\_Column\_Profile.Event\_ID) ON qsub\_Loc\_filters.Location\_ID = qsub\_Event\_filters.Location\_ID) ON qsub\_Site\_filters.Site\_ID = qsub\_Loc\_filters.Site\_ID

ORDER BY qsub\_Site\_filters.Park\_code, qsub\_Site\_filters.Site\_code, Year([Start\_date]) DESC , tbl\_Water\_Column\_Profile.Depth\_bin\_m, tbl\_Water\_Column\_Profile.Logtime, tbl\_Water\_Column\_Profile.Parameter;

1. qsub\_Site\_filters – Standard subquery to filter site records based on filter values in frm\_Summary\_Tool

SELECT tbl\_Sites.\*

FROM tbl\_Sites

WHERE (((tbl\_Sites.Park\_code) Like Nz(IIf(Abs([Forms]![frm\_Summary\_Tool]![togFilterByPark])=1,[Forms]![frm\_Summary\_Tool]![cmbParkFilter],Null),"\*")) AND ((tbl\_Sites.Site\_ID) Like Nz(IIf(Abs([Forms]![frm\_Summary\_Tool]![togFilterBySite])=1,[Forms]![frm\_Summary\_Tool]![cmbSiteFilter],Null),"\*")) AND ((tbl\_Sites.Site\_status) Like Nz(IIf(Abs([Forms]![frm\_Summary\_Tool]![togFilterByStatus])=1,[Forms]![frm\_Summary\_Tool]![cmbStatusFilter],Null),"\*")) AND ((Nz([Park\_region],'\*')) Like Nz(IIf(Abs([Forms]![frm\_Summary\_Tool]![togFilterByRegion])=1,[Forms]![frm\_Summary\_Tool]![cmbRegionFilter],Null),"\*")) AND ((Nz([Panel\_type],'\*')) Like Nz(IIf(Abs([Forms]![frm\_Summary\_Tool]![togFilterByPanelType])=1,[Forms]![frm\_Summary\_Tool]![cmbPanelTypeFilter],Null),"\*")) AND ((Nz([Panel\_name],'\*')) Like Nz(IIf(Abs([Forms]![frm\_Summary\_Tool]![togFilterByPanelName])=1,[Forms]![frm\_Summary\_Tool]![cmbPanelNameFilter],Null),"\*")));

1. qsub\_Loc\_filters – Standard subquery to filter location records based on filter values in frm\_Summary\_Tool

SELECT tbl\_Locations.\*

FROM tbl\_Locations

WHERE (((tbl\_Locations.Location\_type) Like Nz(IIf(Abs([Forms]![frm\_Summary\_Tool]![togFilterByType])=1,[Forms]![frm\_Summary\_Tool]![cmbTypeFilter],Null),"\*")) AND ((tbl\_Locations.Location\_status) Like Nz(IIf(Abs([Forms]![frm\_Summary\_Tool]![togFilterByStatus])=1,[Forms]![frm\_Summary\_Tool]![cmbStatusFilter],Null),"\*")));

1. qsub\_Event\_filters - Standard subquery to filter event records based on filter values in frm\_Summary\_Tool

SELECT CStr(Year([Start\_date])) AS Event\_yr\_str, tbl\_Events.\*

FROM tbl\_Events

WHERE (((Year([Start\_date])) Like Nz(IIf(Abs([Forms]![frm\_Summary\_Tool]![togFilterByYear])=1,[Forms]![frm\_Summary\_Tool]![cmbYearFilter],Null),"\*")) AND ((IIf(IsNull([Certified\_date])=False And ([Certified\_date]>=[Updated\_date] Or IsNull([Updated\_date])),0,1))=Nz([Forms]![frm\_Summary\_Tool]![optgScope]) Or (IIf(IsNull([Certified\_date])=False And ([Certified\_date]>=[Updated\_date] Or IsNull([Updated\_date])),0,1))=0) AND ((tbl\_Events.Start\_date)>=Nz(IIf(Abs([Forms]![frm\_Summary\_Tool]![togFilterByRange])=1,[Forms]![frm\_Summary\_Tool]![txtStartDateFilter],#1/1/1800#)) And (tbl\_Events.Start\_date)<=Nz(IIf(Abs([Forms]![frm\_Summary\_Tool]![togFilterByRange])=1,[Forms]![frm\_Summary\_Tool]![txtEndDateFilter],#12/31/2200#))) AND ((Abs([Is\_excluded]))=Nz([Forms]![frm\_Summary\_Tool]![optgExcluded]) Or (Abs([Is\_excluded]))=0));