Freddie Mckendrick Provisioning Rate Query 06.01.2020

**Firstly, I Identify groups with Helpers from 2010 and onwards**

**Field period ID for Winter 2010 = 103**

**Save this Query as FM\_HelperCount**

SELECT tblFieldPeriodIDs.Island, tblFieldPeriodIDs.FieldPeriodID, tblBreedStatus.BreedGroupID, tblBreedStatus.Status, Count(tblBreedStatus.Status) AS HelperNumber

FROM tblFieldPeriodIDs INNER JOIN (tblBreedGroupLocation INNER JOIN tblBreedStatus ON tblBreedGroupLocation.BreedGroupID = tblBreedStatus.BreedGroupID) ON tblFieldPeriodIDs.FieldPeriodID = tblBreedGroupLocation.FieldPeriodID

GROUP BY tblFieldPeriodIDs.Island, tblFieldPeriodIDs.FieldPeriodID, tblBreedStatus.BreedGroupID, tblBreedStatus.Status

HAVING (((tblFieldPeriodIDs.Island)="CN") AND ((tblFieldPeriodIDs.FieldPeriodID)>=103) AND ((tblBreedStatus.Status)="H"));

**Then I am doing the same but to find additional non-helping birds**

**I am including additional birds (AB) and possible additional birds (ABX) (Advise if this should just be AB)**

**Save this Query as FM\_AdditionalBirdCount**

SELECT tblFieldPeriodIDs.Island, tblFieldPeriodIDs.FieldPeriodID, tblBreedStatus.BreedGroupID, tblBreedStatus.Status, Count(tblBreedStatus.Status) AS AdditionalBirds

FROM tblFieldPeriodIDs INNER JOIN (tblBreedGroupLocation INNER JOIN tblBreedStatus ON tblBreedGroupLocation.BreedGroupID = tblBreedStatus.BreedGroupID) ON tblFieldPeriodIDs.FieldPeriodID = tblBreedGroupLocation.FieldPeriodID

GROUP BY tblFieldPeriodIDs.Island, tblFieldPeriodIDs.FieldPeriodID, tblBreedStatus.BreedGroupID, tblBreedStatus.Status

HAVING (((tblFieldPeriodIDs.Island)="CN") AND ((tblFieldPeriodIDs.FieldPeriodID)>=103) AND ((tblBreedStatus.Status)="AB" Or (tblBreedStatus.Status)="ABX"));

**Join previous two queries to give list of all breed groups and the number of helpers and additional birds in them**

**I have tried to add these together to create a column for group size but I haven’t figured out how to do this?**

**Save this Query as FM\_Helpers\_AdditionalBirds**

SELECT tblFieldPeriodIDs.FieldPeriodID, tblFieldPeriodIDs.Island, tblBreedGroupLocation.BreedGroupID, FM\_HelperCount.HelperNumber, FM\_AdditionalBirdCount.AdditionalBirds

FROM FM\_AdditionalBirdCount RIGHT JOIN (FM\_HelperCount RIGHT JOIN (tblFieldPeriodIDs INNER JOIN tblBreedGroupLocation ON tblFieldPeriodIDs.FieldPeriodID = tblBreedGroupLocation.FieldPeriodID) ON FM\_HelperCount.BreedGroupID = tblBreedGroupLocation.BreedGroupID) ON FM\_AdditionalBirdCount.BreedGroupID = tblBreedGroupLocation.BreedGroupID

WHERE (((tblFieldPeriodIDs.FieldPeriodID)>=103) AND ((tblFieldPeriodIDs.Island)="CN"));

**This is the SQL I am using to extract provisioning rate.**

**It even looks different to the data I tried to extract the other day so I am not sure what I am doing**

**This Query I have saved as FM\_ProvisioningFeeds\_20200106**

SELECT tblBirdID.BirdID, tblNestWatchStatus.Status, tblBreedStatus.BreedGroupID, tblNestWatchDetails.NestWatchID, tblNestWatchDetails.WatchDate, tblNestWatchDetails.StartTime, tblNestWatchBehaviours.Behaviour, Count(tblNestWatchBehaviours.Behaviour) AS ProvisioningVisit, tblNestWatchDetails.ObsDuration, sys\_SexEstimates.SexEstimate, DateDiff("d",[tblBirdID]![BirthDate],[tblNestWatchDetails]![WatchDate]) AS Age, tblBreedGroupLocation.TerritoryID, sys\_TerritoryQuality.TQ, sys\_TerritoryQuality.TQcorrected, tblNestInfo.ClutchSize, tblNestInfo.BroodSize, tblNestInfo.NoFledglings, tblNestWatchDetails.WatchType, tblNestWatchDetails.NestID, tblNestInfo.NestNumber, tblTerritories.Island, tblBreedGroupLocation.FieldPeriodID, FM\_Helpers\_AdditionalBirds.HelperNumber, FM\_Helpers\_AdditionalBirds.AdditionalBirds, tblNestWatchDetails.Accurate, tblNestWatchDetails.Observer

FROM ((((tblBirdID INNER JOIN sys\_SexEstimates ON tblBirdID.BirdID = sys\_SexEstimates.BirdID) INNER JOIN ((((tblTerritories INNER JOIN (tblBreedGroupLocation INNER JOIN sys\_TerritoryQuality ON (tblBreedGroupLocation.TerritoryID = sys\_TerritoryQuality.TerritoryID) AND (tblBreedGroupLocation.FieldPeriodID = sys\_TerritoryQuality.FieldPeriodID)) ON (tblTerritories.TerritoryID = tblBreedGroupLocation.TerritoryID) AND (tblTerritories.TerritoryID = sys\_TerritoryQuality.TerritoryID)) INNER JOIN tblBreedStatus ON tblBreedGroupLocation.BreedGroupID = tblBreedStatus.BreedGroupID) INNER JOIN tblNestInfo ON tblBreedGroupLocation.BreedGroupID = tblNestInfo.BreedGroupID) INNER JOIN tblNestWatchDetails ON tblNestInfo.NestID = tblNestWatchDetails.NestID) ON tblBirdID.BirdID = tblBreedStatus.BirdID) INNER JOIN tblNestWatchBehaviours ON (tblBirdID.BirdID = tblNestWatchBehaviours.BirdID) AND (tblNestWatchDetails.NestWatchID = tblNestWatchBehaviours.NestWatchID)) INNER JOIN tblNestWatchStatus ON (tblNestWatchDetails.NestWatchID = tblNestWatchStatus.NestWatchID) AND (tblBirdID.BirdID = tblNestWatchStatus.BirdID)) INNER JOIN FM\_Helpers\_AdditionalBirds ON tblBreedGroupLocation.BreedGroupID = FM\_Helpers\_AdditionalBirds.BreedGroupID

GROUP BY tblBirdID.BirdID, tblNestWatchStatus.Status, tblBreedStatus.BreedGroupID, tblNestWatchDetails.NestWatchID, tblNestWatchDetails.WatchDate, tblNestWatchDetails.StartTime, tblNestWatchBehaviours.Behaviour, tblNestWatchDetails.ObsDuration, sys\_SexEstimates.SexEstimate, DateDiff("d",[tblBirdID]![BirthDate],[tblNestWatchDetails]![WatchDate]), tblBreedGroupLocation.TerritoryID, sys\_TerritoryQuality.TQ, sys\_TerritoryQuality.TQcorrected, tblNestInfo.ClutchSize, tblNestInfo.BroodSize, tblNestInfo.NoFledglings, tblNestWatchDetails.WatchType, tblNestWatchDetails.NestID, tblNestInfo.NestNumber, tblTerritories.Island, tblBreedGroupLocation.FieldPeriodID, FM\_Helpers\_AdditionalBirds.HelperNumber, FM\_Helpers\_AdditionalBirds.AdditionalBirds, tblNestWatchDetails.Accurate, tblNestWatchDetails.Observer

HAVING (((tblNestWatchStatus.Status)="BrF" Or (tblNestWatchStatus.Status)="BrM") AND ((tblNestWatchBehaviours.Behaviour)="F" Or (tblNestWatchBehaviours.Behaviour)="FI") AND ((tblNestWatchDetails.WatchType)<>"FL") AND ((tblTerritories.Island)="CN") AND ((tblBreedGroupLocation.FieldPeriodID)>=103) AND ((tblNestWatchDetails.Accurate)=True));