

Distance moved by red drum recaptured by recreational anglers

Steve Arnott

Data were queried from the SCDNR Inshore Fisheries tag database (file version [TAG DATA 2013_03_28.accdb](#)).

Database query:

Query SQL

```
SELECT [DISTANCE]\1 AS Dist, Count(FRCAPTUR.TAG_NUMBER) AS CountOfTAG_NUMBER, COLLECTIONS.INSH_COLL,
COLLECTIONS.DATE, FRCAPTUR.DATE, FRELEASE.LENGTH_MM
FROM (COLLECTIONS INNER JOIN FRELEASE ON COLLECTIONS.COLLECTION = FRELEASE.COLLECTION) INNER JOIN FRCAPTUR ON
FRELEASE.TAG_NUMBER = FRCAPTUR.TAG_NUMBER
WHERE (((FRCAPTUR.STATUS_CODE)="B" Or (FRCAPTUR.STATUS_CODE)="D" Or (FRCAPTUR.STATUS_CODE)="F") AND
((COLLECTIONS.GEAR_CODE)="098" Or (COLLECTIONS.GEAR_CODE)="011" Or (COLLECTIONS.GEAR_CODE)="128") AND
((FRELEASE.SP_CODE)="A290"))
GROUP BY [DISTANCE]\1, COLLECTIONS.INSH_COLL, COLLECTIONS.DATE, FRCAPTUR.DATE, FRELEASE.LENGTH_MM
HAVING ((([DISTANCE]\1)<>"");
```

This generated a dataset with the following fields:

Dist	Distance moved by fish
CountOfTag	
INSH_COLL	Inshore Fisheries collection number
COLLECTIONS.DAT	Date tagged
FRCAPTUR.DAT	Date recaptured
LENGTH.MM	Length when tagged

The query resulted in 10,750 angler recapture events.

Distance moved is shown in **Figures 1 and 2**.

Figure 1

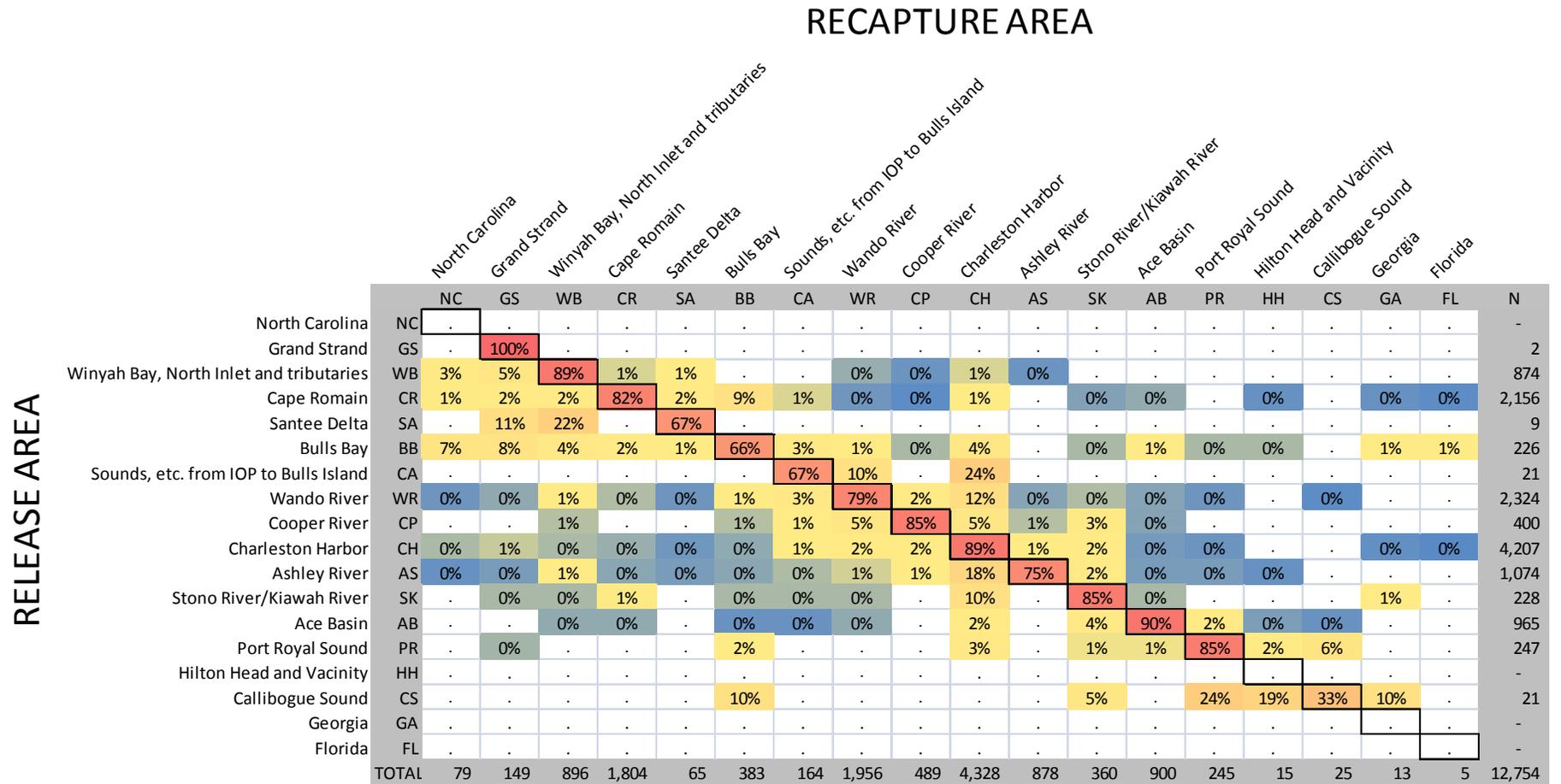


Figure 2 Distance moved (shortest distance by sea) by sub-adult red drum tagged in South Carolina and recaptured by recreational anglers. Data were categorized according to time at large (time between tagging event and recapture event).

