

Pigeon Guillemot Summary 2015

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Island County MRC Meeting

October 6, 2015



Project Mission

- Research and education for the protection of PGs
- Monitor
 - # of adult PGs at breeding colonies
 - Type of activity at each burrow
 - Composition of prey items delivered to chicks

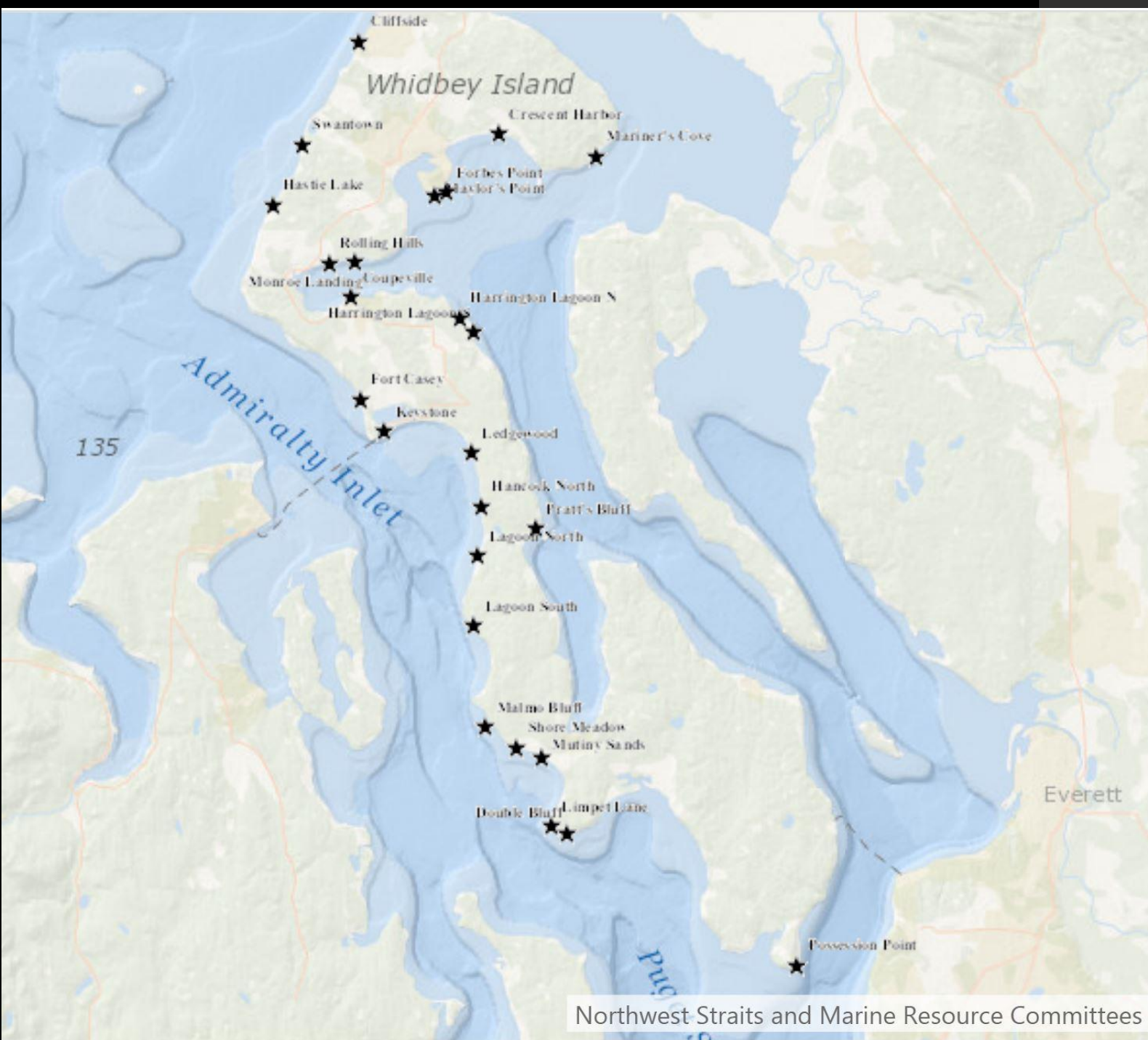


Methods

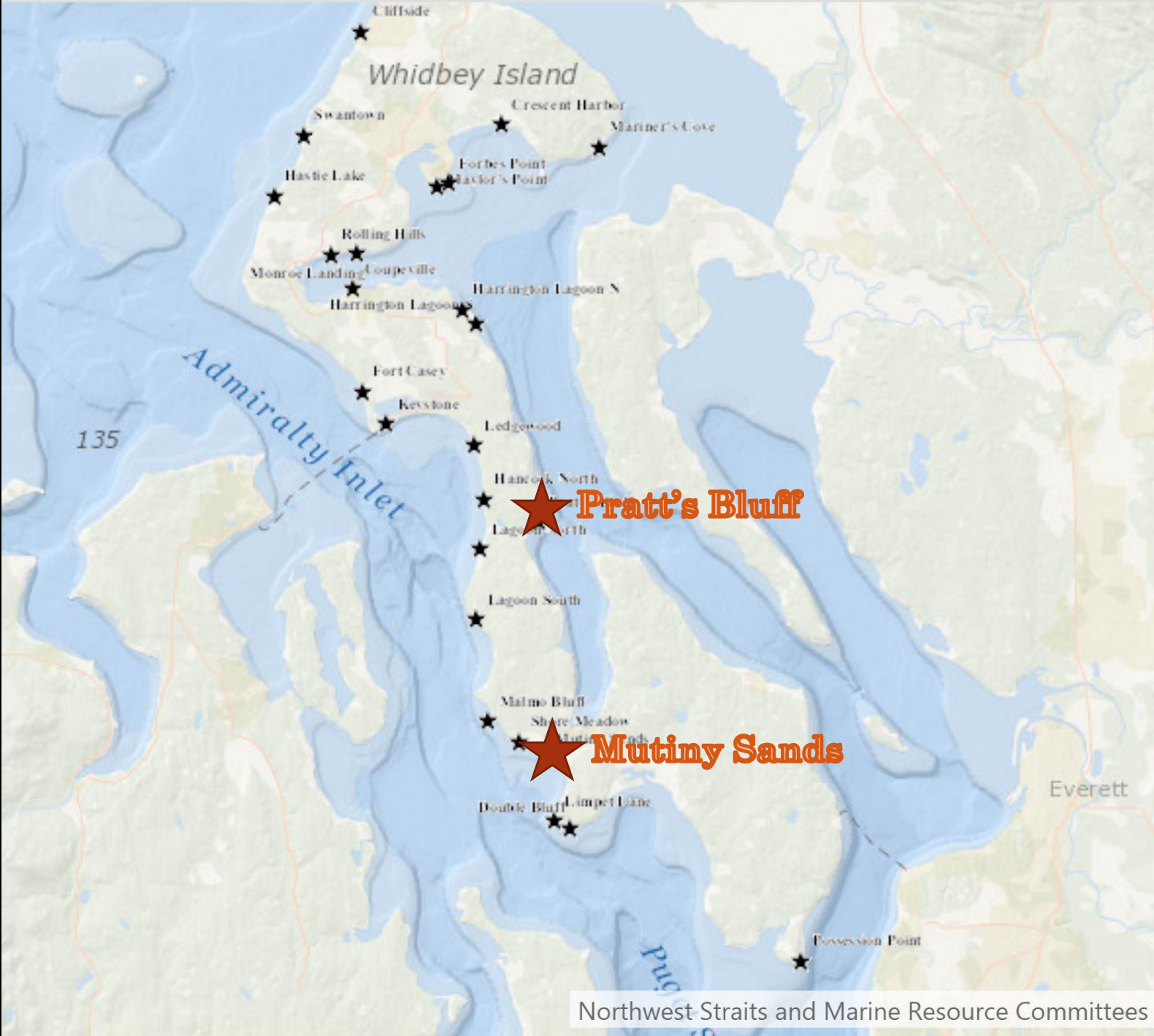
- Daily 3 hr survey
- Count maximum #PGs every 30 min
- Designate the nature of activity at each burrow
- Identify prey delivered to burrows



Focus Colonies

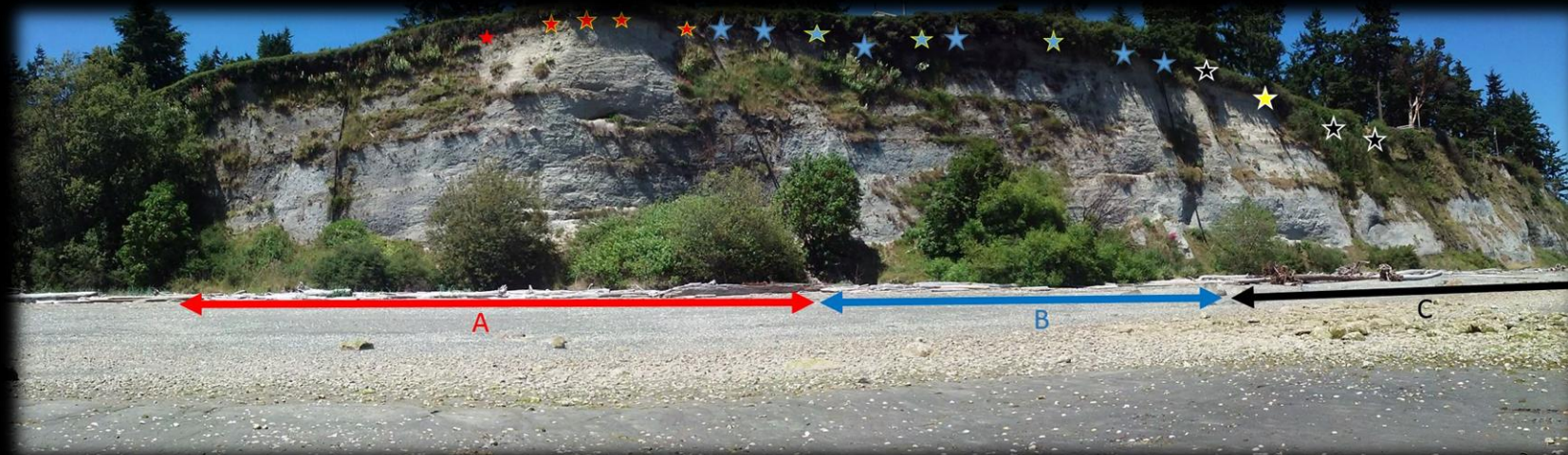


Focus Colonies



Focus Colonies

Mutiny Sands



Pratt's Bluff

Site Summaries

- Mutiny Sands

- 57 maximum PG count
 - 30.48 average maximum per visit
- 12 occupied burrows
- 12 chick burrows

- Pratt's Bluff

- 42 maximum PG count
 - 24.27 average maximum per visit
- 15 occupied burrows
- 13 chick burrows



Prey delivered to chicks



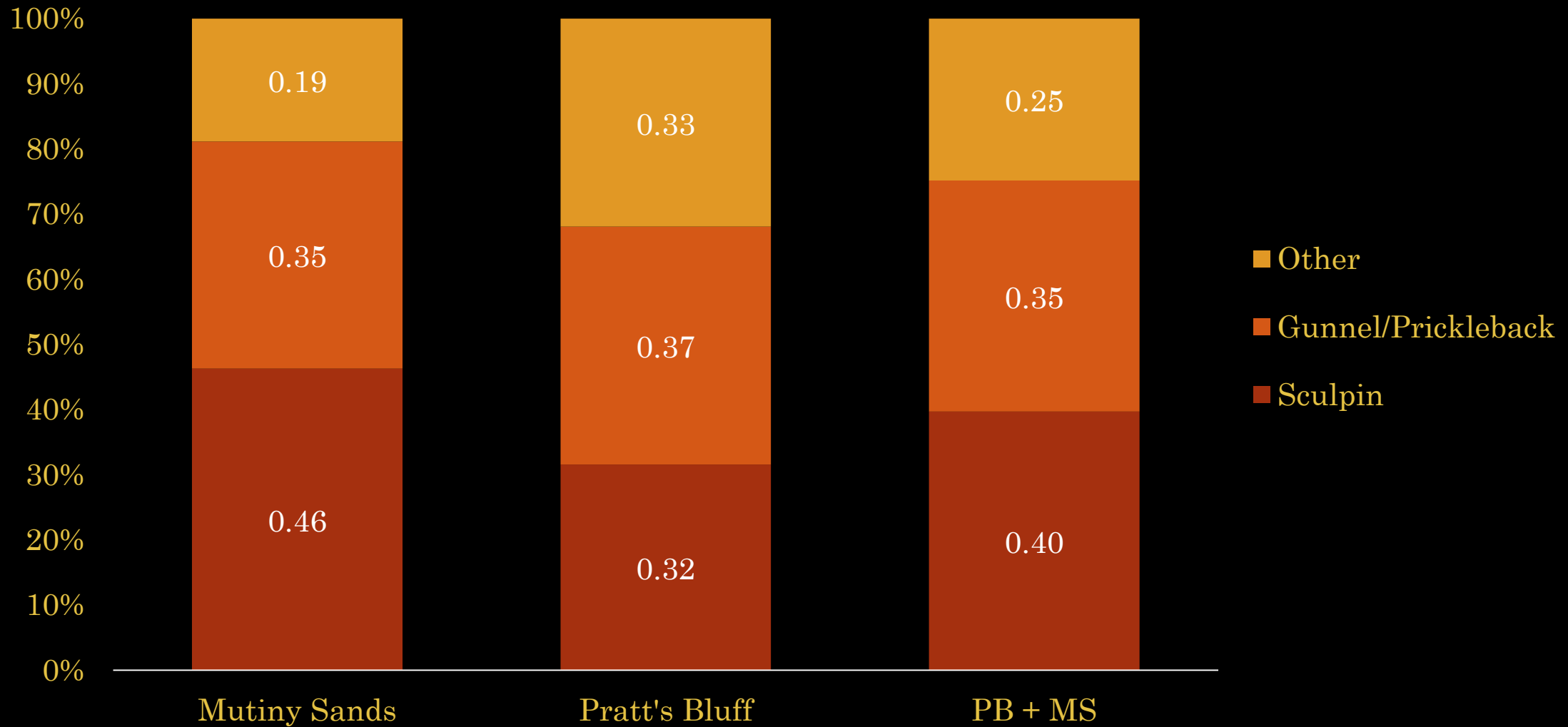
Prey delivered to chicks



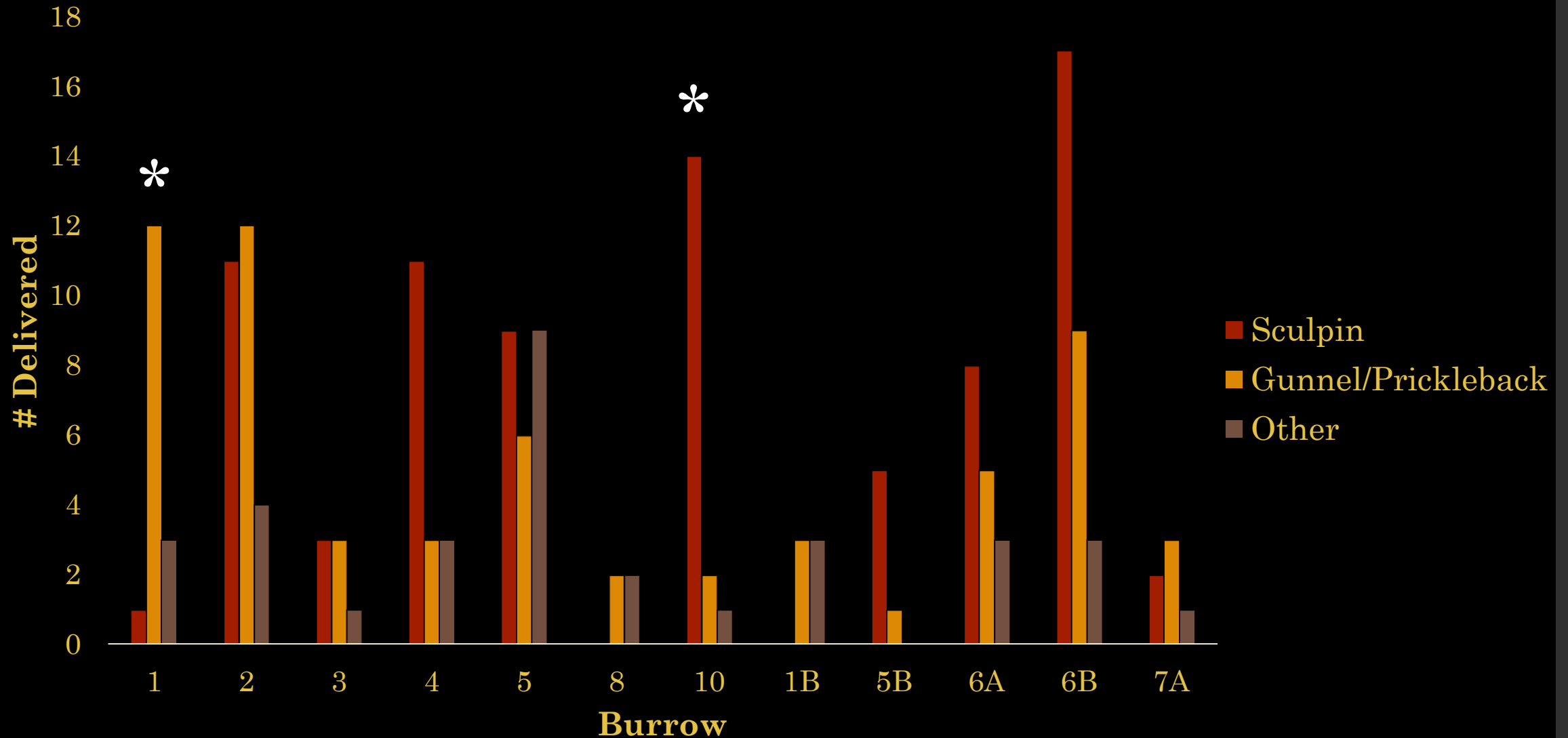
Prey delivered to chicks



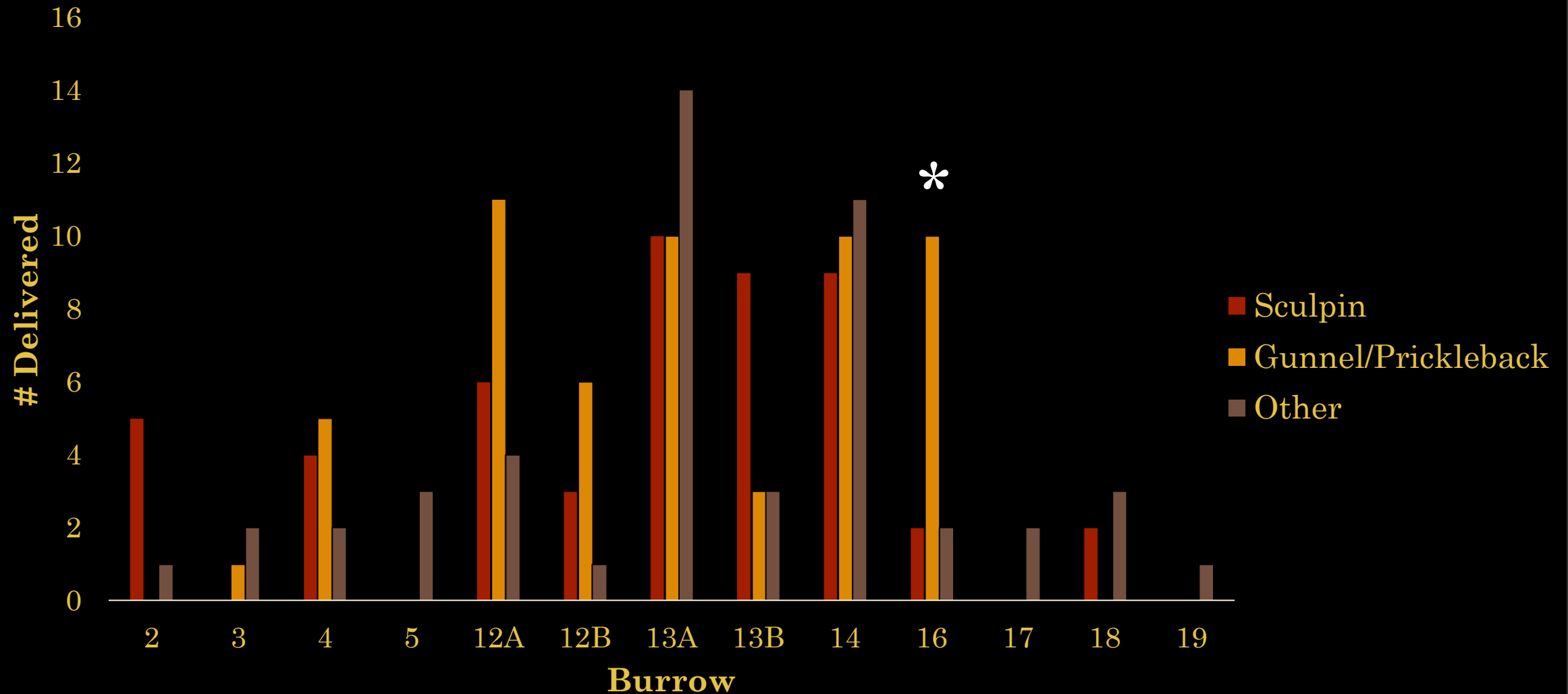
Prey composition



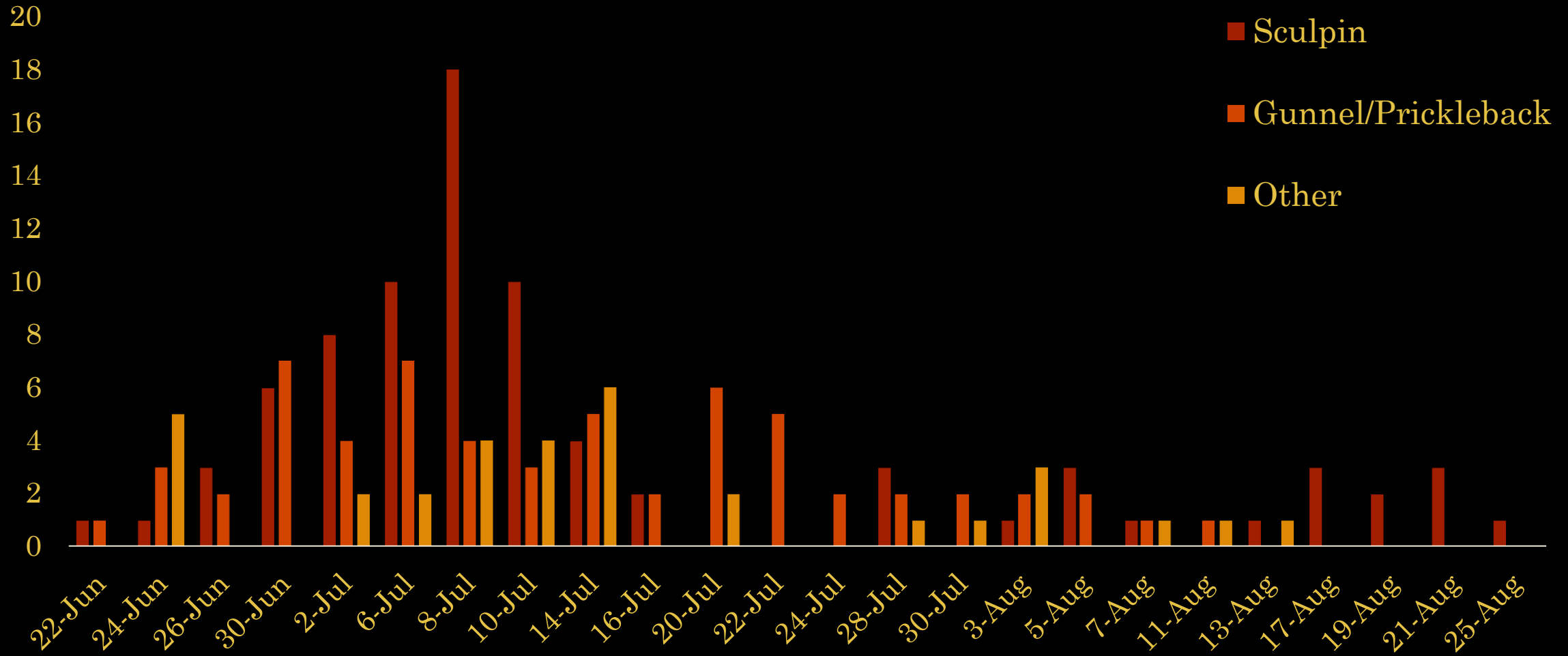
Prey selectivity by burrow: Mutiny Sands



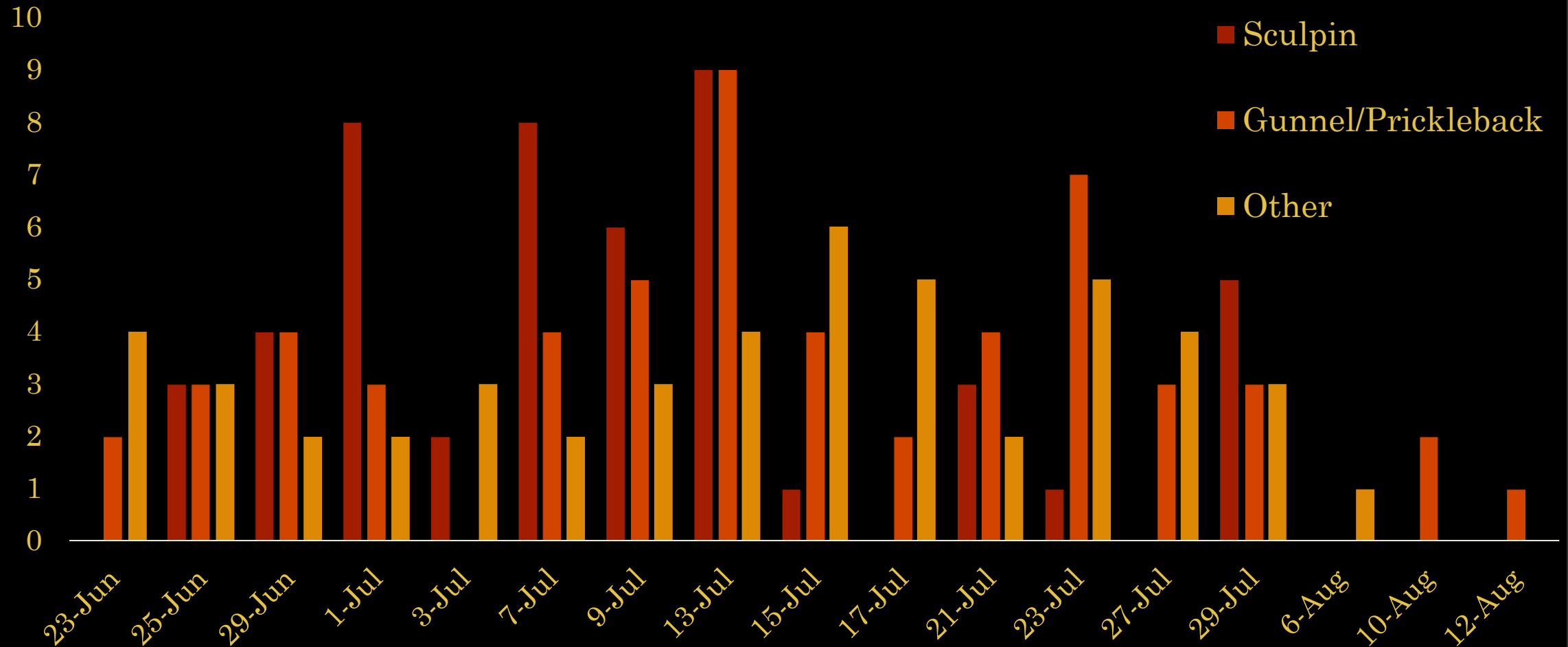
Prey selectivity by burrow: Pratt's Bluff



Prey selectivity by date: Mutiny Sands



Prey selectivity by date: Pratt's Bluff



2015 intern prey/fledging recap

- ✓ Minimal prey selectivity by burrow
- ✓ No prey selectivity by date
- ✓ 5-11 possible fledging events
- ✓ A fun thing happened...

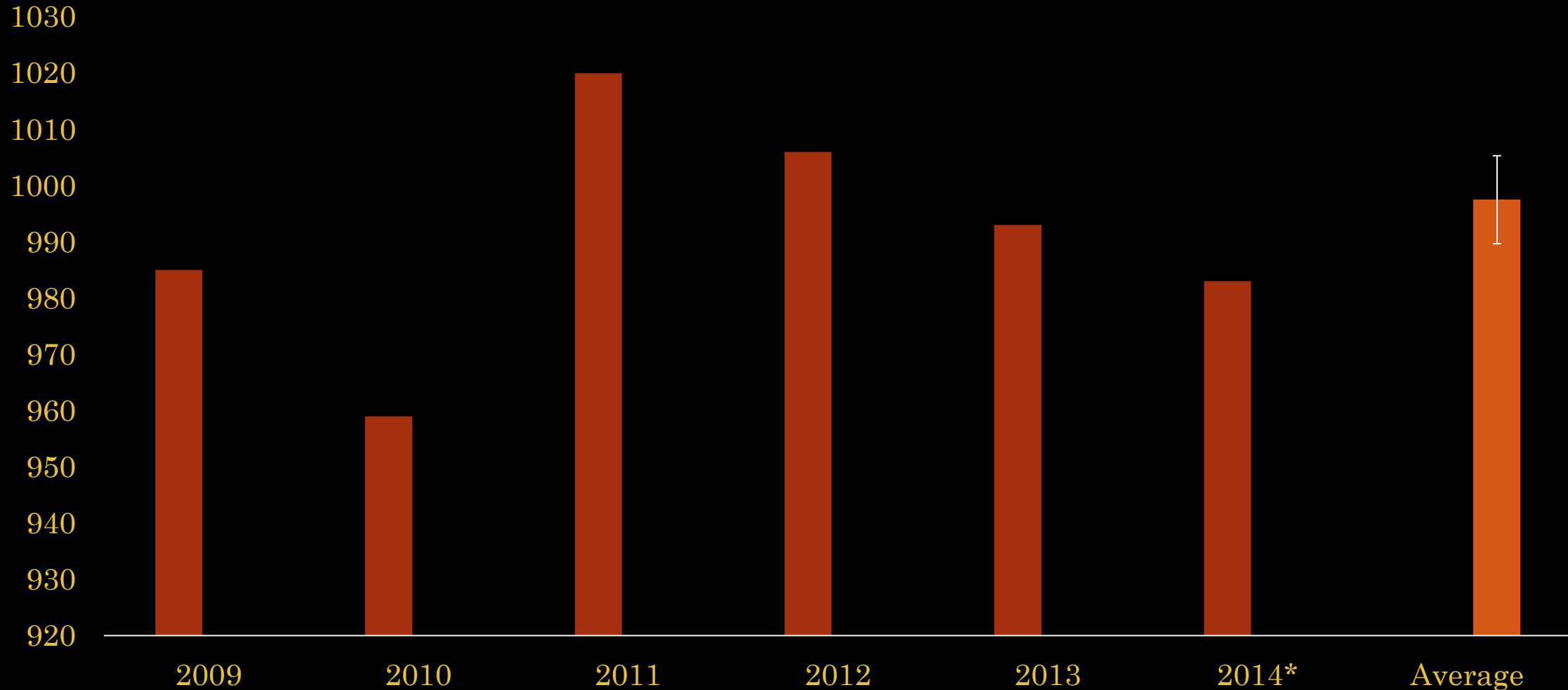




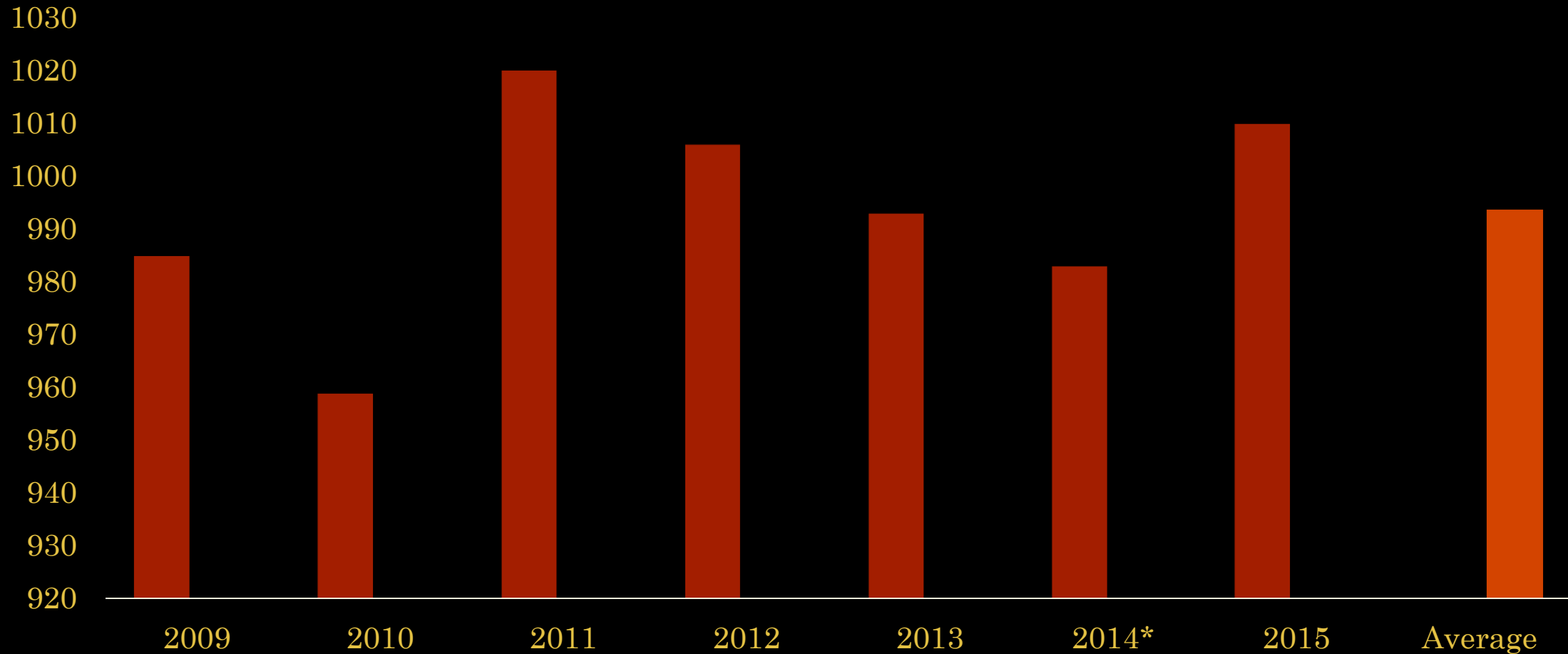
Volunteer Data



Annual maximum number of PGs in attendance at breeding colonies



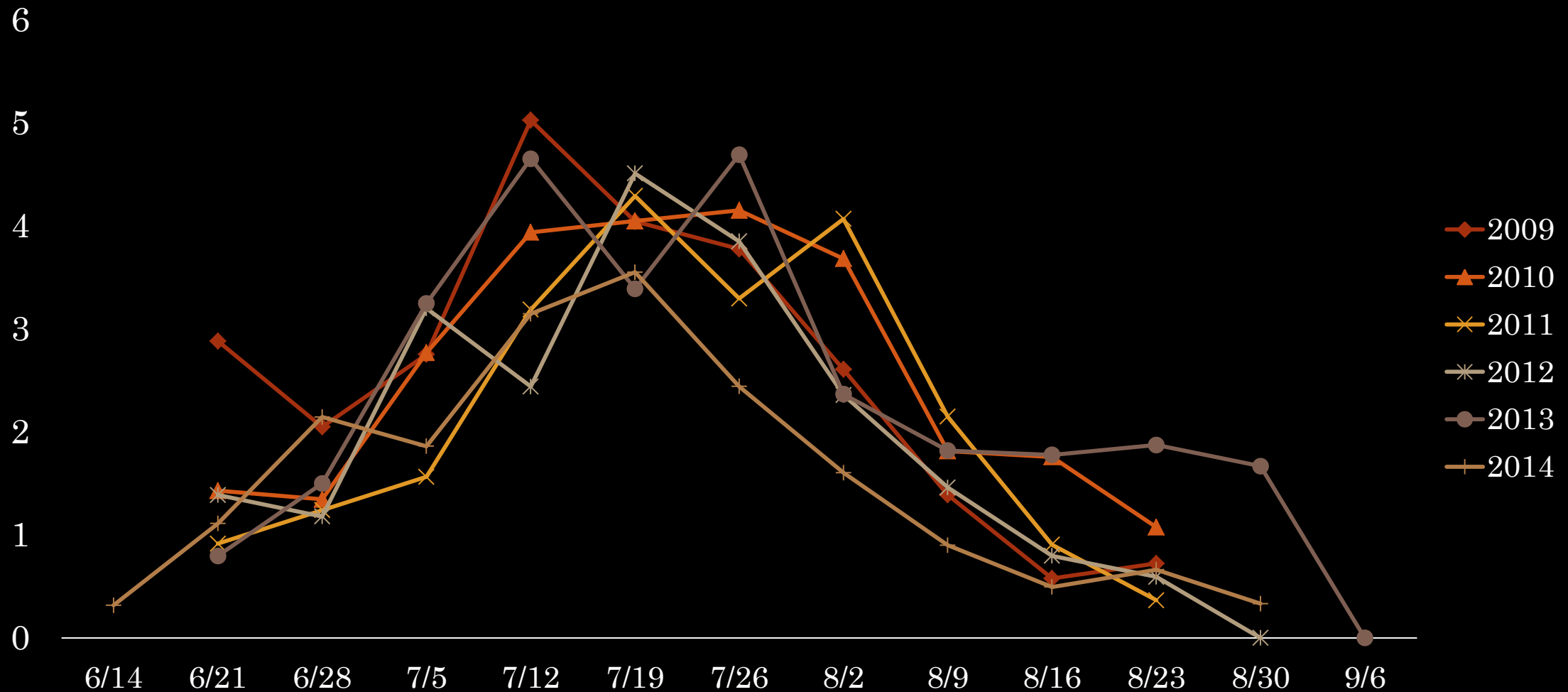
Annual maximum number of PGs in attendance



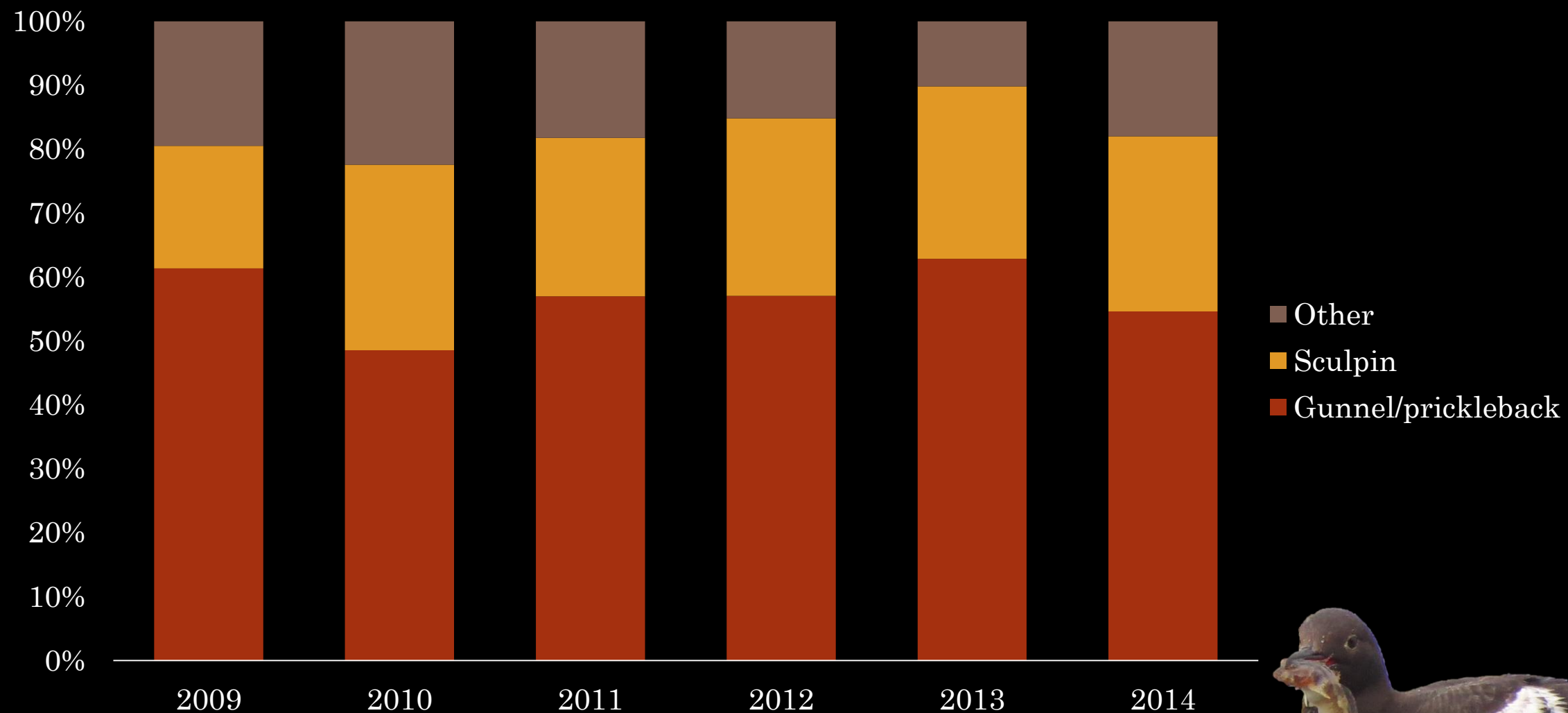
Burrow activity for all sites

	2009	2010	2011	2012	2013	2014	2015
Occupied Burrows	255	227	217	222	249	273	205
Chick Burrows	183	150	165	147	174	155	150

Rate of prey delivery



Prey composition



Summary

- ✓ Number of adults is stable
- ✓ Burrow activity is stable
- ✓ Rate of prey delivery is highest between the weeks of 7/12 and 8/2
- ✓ Gunnel/Prickleback most common prey items

Coming up next...

- Edits to manuscript submitted to Northwestern Naturalist
- Future interns will add to data on fledging
- Continued monitoring by volunteers, expansion to new colony sites



Thank you!

