Table S1. The D-efficient design for choice experiment 1 and the Panhandle version that includes the block number, number of responses per block, task number, trip choices, and level of attributes that included size (slot vs minimum) and bag limit, season length, and distance from shore. This choice experiment and version surveyed respondents from Florida, USA, that launched from the Panhandle to fish for red snapper 2019-2020 (n=172).

Block	Number of responses	Task	Trip alternative	Size limit	Bag limit (fish)	Season length (days)	Distance from shore (miles)
1	7	1	A	Slot	4	45	30
			B	Minimum	1	30	20
			C	Slot	4	30	20
		2	A	Slot	2	45	30
			B	Minimum	2	45	30
			C	Minimum	4	15	20
		3	A	Minimum	1	15	10
			B	Minimum	1	30	10
			C	Slot	2	15	10
2	8	1	A	Slot	1	30	30
			B	Minimum	4	30	10
			C	Minimum	4	15	20
		2	A	Minimum	2	15	10
			B	Slot	4	30	10
			C	Minimum	1	15	20
		3	A	Slot	2	45	20
			B	Minimum	1	45	30
			C	Slot	2	45	30
3	8	1	A	Minimum	4	30	20
			B	Slot	1	15	10
			C	Slot	4	30	30
		2	A	Minimum	1	15	30
			B	Slot	4	45	30
			C	Minimum	2	30	20
		3	A	Minimum	1	15	20
			B	Slot	4	45	10
			C	Slot	2	45	10
4	8	1	A	Minimum	1	45	30
			B	Slot	4	15	20
			C	Minimum	1	15	20
		2	A	Slot	2	45	10
			B	Slot	1	15	20
			C	Slot	4	30	30
		3	A	Minimum	2	30	30
			B	Slot	1	45	10
			C	Minimum	4	30	10
5	8	1	A	Minimum	1	30	30
			B	Minimum	1	45	10
			C	Minimum	2	15	10
		2	A	Slot	4	15	20

			B	Minimum	2	45	20
			C	Slot	1	30	30
			A	Minimum	4	45	20
		3	B	Slot	2	15	10
			C	Slot	4	30	30
			A	Minimum	4	15	10
		1	B	Minimum	4	15	10
			C	Minimum	1	15	10
			A	Slot	2	30	20
6	8	2	B	Minimum	1	45	30
			C	Slot	2	30	20
			A	Minimum	2	30	30
		3	B	Slot	1	45	30
			C	Slot	4	45	20
			A	Slot	4	15	10
		1	B	Minimum	4	30	30
			C	Slot	2	15	10
			A	Minimum	1	15	30
7	8	2	B	Slot	1	30	20
			C	Slot	1	45	20
			A	Minimum	2	30	20
		3	B	Minimum	4	45	30
			C	Slot	4	45	10
			A	Minimum	4	30	10
		1	B	Minimum	1	45	20
			C	Minimum	1	15	30
			A	Minimum	2	45	30
8	8	2	B	Slot	2	45	30
			C	Slot	4	15	10
			A	Minimum	2	30	10
		3	B	Slot	1	30	20
			C	Slot	4	15	20
			A	Minimum	4	15	10
		1	B	Slot	1	45	30
			C	Minimum	2	30	20
			A	Slot	2	30	20
9	7	2	B	Minimum	1	30	10
			C	Slot	4	15	10
			A	Slot	1	45	30
		3	B	Minimum	2	15	30
			C	Slot	4	45	20
			A	Slot	2	45	30
		1	B	Minimum	4	45	30
			C	Slot	4	30	10
			A	Minimum	1	15	20
10	7	2	B	Slot	1	15	30
			C	Minimum	2	30	20
			A	Minimum	2	30	10
		3	B	Slot	1	45	10

			C	Minimum	4	15	20
			A	Slot	1	45	30
		1	B	Minimum	2	15	30
			C	Slot	4	30	20
			A	Minimum	2	15	30
11	7	2	B	Minimum	1	45	10
			C	Slot	1	30	20
			A	Slot	4	45	10
		3	B	Slot	4	30	10
			C	Minimum	4	15	20
			A	Minimum	2	15	30
		1	B	Slot	4	45	30
			C	Slot	2	45	20
			A	Slot	1	30	10
12	7	2	B	Minimum	4	30	30
			C	Minimum	1	30	10
			A	Minimum	4	15	10
		3	B	Slot	2	15	20
			C	Minimum	1	45	20
			A	Minimum	2	45	30
		1	B	Slot	1	45	10
			C	Slot	4	15	20
			A	Minimum	4	15	30
13	7	2	B	Minimum	1	30	20
			C	Slot	4	45	10
			A	Minimum	2	30	30
		3	B	Slot	2	15	10
			C	Minimum	1	30	20
			A	Slot	1	45	10
		1	B	Slot	4	15	10
			C	Minimum	2	15	30
			A	Slot	1	30	20
14	4	2	B	Minimum	2	45	20
			C	Minimum	4	30	30
			A	Slot	2	15	10
		3	B	Minimum	4	45	30
			C	Minimum	1	30	20
			A	Slot	1	45	30
		1	B	Slot	4	30	10
			C	Minimum	4	30	30
			A	Slot	1	15	30
15	7	2	B	Slot	2	45	20
			C	Minimum	2	30	20
			A	Minimum	4	45	20
		3	B	Minimum	2	15	10
			C	Minimum	1	15	10
			A	Minimum	2	45	20
16	7	1	B	Slot	1	15	30
			C	Slot	4	45	20

			A	Slot	4	30	20
		2	B	Minimum	1	45	10
			C	Minimum	2	30	30
			A	Minimum	4	15	30
		3	B	Minimum	2	30	10
			C	Slot	1	15	20
			A	Minimum	1	15	10
		1	B	Slot	1	15	20
			C	Slot	2	45	20
			A	Slot	2	45	10
17	7	2	B	Minimum	4	15	20
			C	Minimum	2	45	30
			A	Minimum	1	30	30
		3	B	Minimum	4	30	30
			C	Slot	4	30	10
			A	Slot	2	45	30
		1	B	Minimum	1	45	20
			C	Slot	4	30	20
			A	Minimum	2	15	10
18	7	2	B	Slot	4	45	20
			C	Minimum	2	15	10
			A	Minimum	4	30	10
		3	B	Slot	1	15	20
			C	Slot	1	30	30
			A	Minimum	1	30	10
		1	B	Slot	1	15	30
			C	Minimum	2	30	10
			A	Minimum	4	30	20
19	6	2	B	Slot	2	15	20
			C	Slot	4	45	20
			A	Minimum	1	45	10
		3	B	Slot	4	45	30
			C	Slot	1	15	30
			A	Minimum	1	45	20
		1	B	Slot	2	45	10
			C	Minimum	2	15	20
			A	Slot	4	15	10
20	8	2	B	Slot	4	30	30
			C	Slot	1	30	10
			A	Minimum	4	45	30
		3	B	Minimum	1	30	20
			C	Slot	2	15	20
			A	Slot	4	30	30
		1	B	Minimum	4	15	10
			C	Slot	1	15	20
21	7		A	Minimum	2	45	30
		2	B	Slot	1	30	10
			C	Minimum	4	45	30
		3	A	Minimum	2	45	20

			B	Slot	2	15	20
			C	Minimum	1	30	10
			A	Minimum	1	15	30
		1	B	Slot	1	15	10
			C	Minimum	4	45	20
			A	Slot	2	30	20
22	8	2	B	Slot	4	15	20
			C	Slot	1	30	30
			A	Slot	4	45	30
		3	B	Minimum	2	30	10
			C	Minimum	1	45	10
			A	Minimum	4	15	30
		1	B	Slot	1	30	30
			C	Minimum	2	45	20
			A	Minimum	4	15	30
23	6	2	B	Slot	1	30	20
			C	Minimum	4	45	20
			A	Slot	2	45	10
		3	B	Slot	1	30	10
			C	Slot	1	30	10
			A	Minimum	1	45	20
		1	B	Minimum	4	15	30
			C	Minimum	4	30	10
			A	Slot	2	30	20
24	7	2	B	Slot	1	45	10
			C	Minimum	2	30	30
			A	Slot	4	45	10
		3	B	Slot	2	15	20
			C	Minimum	1	15	30

Table S2. The D-efficient design for choice experiment 1 and the Peninsula version that includes the block number, number of responses per block, task number, trip choices, and level of attributes that included size (slot vs minimum) and bag limit, season length, and distance from shore. This choice experiment and version surveyed respondents from Florida, USA that launched from the Peninsula to fish for red snapper 2019-2020 (n=209).

Block	Number of responses	Task	Trip alternative	Size limit	Bag limit (# fish)	Season length (days)	Distance from shore (miles)
1	9	1	A	Slot	4	45	50
			B	Minimum	1	30	40
			C	Slot	4	30	40
		2	A	Slot	2	45	50
			B	Minimum	2	45	50
			C	Minimum	4	15	40
		3	A	Minimum	1	15	30
			B	Minimum	1	30	30
			C	Slot	2	15	30
2	11	1	A	Slot	1	30	50
			B	Minimum	4	30	30
			C	Minimum	4	15	40
		2	A	Minimum	2	15	30
			B	Slot	4	30	30
			C	Minimum	1	15	40
		3	A	Slot	2	45	40
			B	Minimum	1	45	50
			C	Slot	2	45	50
3	8	1	A	Minimum	4	30	40
			B	Slot	1	15	30
			C	Slot	4	30	50
		2	A	Minimum	1	15	50
			B	Slot	4	45	50
			C	Minimum	2	30	40
		3	A	Minimum	1	15	40
			B	Slot	4	45	30
			C	Slot	2	45	30
4	8	1	A	Minimum	1	45	50
			B	Slot	4	15	40
			C	Minimum	1	15	40
		2	A	Slot	2	45	30
			B	Slot	1	15	40
			C	Slot	4	30	50
		3	A	Minimum	2	30	50
			B	Slot	1	45	30
			C	Minimum	4	30	30
5	10	1	A	Minimum	1	30	50
			B	Minimum	1	45	30
			C	Minimum	2	15	30
		2	A	Slot	4	15	40

			B	Minimum	2	45	40
			C	Slot	1	30	50
			A	Minimum	4	45	40
		3	B	Slot	2	15	30
			C	Slot	4	30	50
			A	Minimum	4	15	30
		1	B	Minimum	4	15	30
			C	Minimum	1	15	30
			A	Slot	2	30	40
6	9	2	B	Minimum	1	45	50
			C	Slot	2	30	40
			A	Minimum	2	30	50
		3	B	Slot	1	45	50
			C	Slot	4	45	40
			A	Slot	4	15	30
		1	B	Minimum	4	30	50
			C	Slot	2	15	30
			A	Minimum	1	15	50
7	8	2	B	Slot	1	30	40
			C	Slot	1	45	40
			A	Minimum	2	30	40
		3	B	Minimum	4	45	50
			C	Slot	4	45	30
			A	Minimum	4	30	30
		1	B	Minimum	1	45	40
			C	Minimum	1	15	50
			A	Minimum	2	45	50
8	11	2	B	Slot	2	45	50
			C	Slot	4	15	30
			A	Minimum	2	30	30
		3	B	Slot	1	30	40
			C	Slot	4	15	40
			A	Minimum	4	15	30
		1	B	Slot	1	45	50
			C	Minimum	2	30	40
			A	Slot	2	30	40
9	9	2	B	Minimum	1	30	30
			C	Slot	4	15	30
			A	Slot	1	45	50
		3	B	Minimum	2	15	50
			C	Minimum	4	45	40
			A	Slot	2	45	50
		1	B	Minimum	4	45	50
			C	Slot	4	30	30
			A	Minimum	1	15	40
10	7	2	B	Slot	1	15	50
			C	Minimum	2	30	40
			A	Minimum	2	30	30
		3	B	Slot	1	45	30

			C	Minimum	4	15	40
			A	Slot	1	45	50
		1	B	Minimum	2	15	50
			C	Slot	4	30	40
			A	Minimum	2	15	50
11	8	2	B	Minimum	1	45	30
			C	Slot	1	30	40
			A	Slot	4	45	30
		3	B	Slot	4	30	30
			C	Minimum	4	15	40
			A	Minimum	2	15	50
		1	B	Slot	4	45	50
			C	Slot	2	45	40
			A	Slot	1	30	30
12	9	2	B	Minimum	4	30	50
			C	Minimum	1	30	30
			A	Minimum	4	15	30
		3	B	Slot	2	15	40
			C	Minimum	1	45	40
			A	Minimum	2	45	50
		1	B	Slot	1	45	30
			C	Slot	4	15	40
			A	Minimum	2	45	50
13	8	2	B	Slot	1	45	30
			C	Slot	4	15	40
			A	Minimum	2	30	50
		3	B	Slot	2	15	30
			C	Minimum	1	30	40
			A	Slot	1	45	30
		1	B	Slot	4	15	30
			C	Minimum	2	15	50
			A	Slot	1	30	40
14	9	2	B	Minimum	2	45	40
			C	Minimum	4	30	50
			A	Slot	2	15	30
		3	B	Minimum	4	45	50
			C	Minimum	1	30	40
			A	Slot	1	45	50
		1	B	Slot	4	30	30
			C	Minimum	4	30	50
			A	Slot	1	15	50
15	8	2	B	Slot	2	45	40
			C	Minimum	2	30	40
			A	Minimum	4	45	40
		3	B	Minimum	2	15	30
			C	Minimum	1	15	30
			A	Minimum	2	45	40
16	9	1	B	Slot	1	15	50
			C	Slot	4	45	40

		2	A	Slot	4	30	40
			B	Minimum	1	45	30
			C	Minimum	2	30	50
		3	A	Minimum	4	15	50
			B	Minimum	2	30	30
			C	Slot	1	15	40
17	7	1	A	Minimum	1	15	30
			B	Slot	1	15	40
			C	Slot	2	45	40
		2	A	Slot	2	45	30
			B	Minimum	4	15	40
			C	Minimum	2	45	50
18	9	1	A	Slot	2	15	30
			B	Minimum	4	45	40
			C	Slot	2	15	30
		2	A	Minimum	4	30	30
			B	Slot	1	15	40
			C	Slot	1	30	50
19	9	1	A	Minimum	1	30	30
			B	Slot	1	15	50
			C	Minimum	2	30	30
		2	A	Minimum	4	30	40
			B	Slot	2	15	40
			C	Slot	4	45	40
		3	A	Minimum	1	45	30
			B	Slot	4	45	50
			C	Slot	1	15	50
20	7	1	A	Minimum	1	45	40
			B	Slot	2	45	30
			C	Minimum	2	15	40
		2	A	Slot	4	15	30
			B	Slot	4	30	50
			C	Slot	1	30	30
		3	A	Minimum	4	45	50
			B	Minimum	1	30	40
			C	Slot	2	15	40
21	7	1	A	Slot	4	30	50
			B	Minimum	4	15	30
			C	Slot	1	15	40
		2	A	Minimum	2	45	50
			B	Slot	1	30	30
			C	Minimum	4	45	50
		3	A	Minimum	2	45	40
			B	Slot	2	15	40
			C	Minimum	1	30	30
22	9	1	A	Minimum	1	15	50
			B	Slot	1	15	30
			C	Minimum	4	45	40
		2	A	Slot	2	30	40

			B	Slot	4	15	40
			C	Slot	1	30	50
			A	Slot	4	45	50
		3	B	Minimum	2	30	30
			C	Minimum	1	45	30
			A	Minimum	4	15	50
		1	B	Slot	1	30	50
			C	Minimum	2	45	40
			A	Minimum	4	15	50
23	9	2	B	Slot	1	30	40
			C	Minimum	4	45	40
			A	Slot	2	45	30
		3	B	Slot	1	30	30
			C	Slot	1	30	30
			A	Minimum	1	45	40
		1	B	Minimum	4	15	50
			C	Minimum	4	30	30
			A	Slot	2	30	40
24	11	2	B	Slot	1	45	30
			C	Minimum	2	30	50
			A	Slot	4	45	30
		3	B	Slot	2	15	40
			C	Minimum	1	15	50

Table S3. The D-efficient design for choice experiment 2 and the Panhandle version that includes the block number, number of responses per block, task number, trip choices, and level of attributes that included management option (current management vs harvest tag), catch size and rate, and distance from shore. This choice experiment and version surveyed respondents from Florida, USA that launched from the Panhandle to fish for red snapper 2019-2020 (n=167).

Block	Number of responses	Task	Trip alternative	Management option	Catch size (inches)	Catch rate	Distance from shore (miles)
1	7	1	A	Harvest tag	18	1/boat	20
			B	Harvest tag	14	2/angler	20
			C	Current management	22	1/angler	10
		2	A	Current management	14	2/angler	30
			B	Current management	22	1/angler	30
			C	Current management	18	4/angler	10
		3	A	Current management	22	1/boat	30
			B	Harvest tag	26	4/angler	20
			C	Harvest tag	26	1/angler	10
2	6	1	A	Current management	18	2/angler	30
			B	Harvest tag	22	1/boat	30
			C	Current management	22	2/angler	10
		2	A	Harvest tag	18	1/boat	10
			B	Harvest tag	18	4/angler	20
			C	Current management	14	1/angler	10
		3	A	Harvest tag	26	1/angler	20
			B	Current management	14	2/angler	30
			C	Current management	26	4/angler	20
3	6	1	A	Harvest tag	18	2/angler	10
			B	Current management	14	4/angler	20
			C	Current management	22	1/boat	20
		2	A	Current management	26	4/angler	30
			B	Harvest tag	14	4/angler	10
			C	Harvest tag	18	1/angler	30
		3	A	Harvest tag	22	2/angler	10
			B	Current management	18	1/angler	20

			C	Current management	26	1/boat	30
4	8	1	A	Harvest tag	18	2/angler	30
			B	Harvest tag	22	4/angler	30
			C	Current management	14	1/angler	20
		2	A	Harvest tag	26	1/angler	20
			B	Harvest tag	26	1/boat	10
			C	Harvest tag	26	1/angler	10
		3	A	Current management	14	2/angler	30
			B	Current management	18	4/angler	10
			C	Current management	22	1/boat	20
5	8	1	A	Harvest tag	18	1/angler	20
			B	Harvest tag	18	1/angler	30
			C	Current management	14	1/angler	10
		2	A	Current management	26	2/angler	20
			B	Harvest tag	22	1/boat	10
			C	Current management	14	4/angler	30
6	7	1	A	Current management	26	1/angler	10
			B	Current management	18	2/angler	10
			C	Harvest tag	22	1/angler	10
		2	A	Harvest tag	14	2/angler	30
			B	Harvest tag	26	4/angler	20
			C	Harvest tag	26	1/boat	30
		3	A	Current management	14	1/angler	20
			B	Current management	18	1/boat	20
			C	Harvest tag	22	4/angler	30
7	8	1	A	Current management	26	1/boat	10
			B	Harvest tag	14	1/boat	20
			C	Current management	14	2/angler	20
		2	A	Harvest tag	18	4/angler	30
			B	Harvest tag	18	4/angler	10
			C	Current management	26	1/boat	30
		3	A	Current management	26	1/angler	20
			B	Harvest tag	22	2/angler	10

			C	Harvest tag	22	1/angler	30
8	6	1	A	Harvest tag	22	4/angler	20
			B	Harvest tag	18	1/boat	10
			C	Harvest tag	22	1/boat	30
		2	A	Current management	26	1/angler	20
			B	Current management	26	2/angler	20
			C	Current management	26	4/angler	20
		3	A	Current management	18	1/angler	30
			B	Harvest tag	14	4/angler	10
			C	Harvest tag	14	2/angler	30
9	6	1	A	Harvest tag	18	4/angler	10
			B	Harvest tag	22	2/angler	20
			C	Harvest tag	26	2/angler	30
		2	A	Current management	18	1/angler	10
			B	Harvest tag	14	4/angler	30
			C	Current management	14	1/boat	20
		3	A	Current management	18	1/angler	30
			B	Current management	22	1/boat	10
			C	Current management	26	2/angler	20
10	3	1	A	Current management	14	4/angler	10
			B	Current management	18	1/boat	10
			C	Harvest tag	18	4/angler	20
		2	A	Harvest tag	22	1/boat	20
			B	Harvest tag	26	2/angler	30
			C	Harvest tag	18	1/angler	20
		3	A	Current management	14	4/angler	10
			B	Current management	26	2/angler	30
			C	Current management	22	1/angler	30
11	7	1	A	Harvest tag	26	1/boat	10
			B	Harvest tag	18	4/angler	10
			C	Current management	22	4/angler	30
		2	A	Current management	14	1/boat	20

			B	Current management	14	1/angler	20
			C	Harvest tag	26	2/angler	20
		3	A	Current management	14	2/angler	10
			B	Harvest tag	18	1/boat	20
			C	Harvest tag	22	1/angler	30
12	8	1	A	Harvest tag	14	1/boat	20
			B	Current management	22	4/angler	30
			C	Harvest tag	14	1/boat	20
		2	A	Harvest tag	26	1/angler	10
			B	Harvest tag	22	1/boat	30
			C	Current management	18	2/angler	10
13	8	1	A	Current management	26	4/angler	20
			B	Harvest tag	22	1/boat	10
			C	Harvest tag	22	1/boat	10
		2	A	Harvest tag	14	1/angler	20
			B	Current management	26	1/angler	10
			C	Current management	18	2/angler	30
14	6	1	A	Harvest tag	18	1/boat	20
			B	Current management	26	4/angler	30
			C	Current management	14	4/angler	30
		2	A	Harvest tag	18	2/angler	20
			B	Harvest tag	26	1/boat	10
			C	Current management	14	1/angler	10
		3	A	Harvest tag	22	2/angler	20
			B	Current management	14	1/boat	10
			C	Harvest tag	22	1/angler	20
15	7	1	A	Current management	26	1/boat	20
			B	Harvest tag	26	1/boat	30
			C	Harvest tag	14	1/angler	20
		2	A	Current management	26	1/angler	10
			B	Harvest tag	22	4/angler	20
			C	Harvest tag	22	2/angler	20
		3	A	Harvest tag	18	2/angler	10
			B	Current management	14	4/angler	30

			C	Current management	18	4/angler	30
16	8	1	A	Current management	14	4/angler	10
			B	Current management	18	4/angler	20
			C	Harvest tag	22	1/angler	10
		2	A	Current management	18	1/angler	30
			B	Current management	22	1/boat	30
			C	Harvest tag	14	1/angler	20
		3	A	Harvest tag	26	1/boat	30
			B	Harvest tag	26	2/angler	20
			C	Harvest tag	22	2/angler	10
17	8	1	A	Current management	22	2/angler	20
			B	Current management	18	4/angler	30
			C	Current management	14	1/boat	20
		2	A	Harvest tag	26	2/angler	30
			B	Harvest tag	14	2/angler	10
			C	Current management	26	1/boat	30
		3	A	Harvest tag	14	1/angler	10
			B	Current management	18	1/angler	10
			C	Harvest tag	22	4/angler	20
18	8	1	A	Current management	18	1/angler	20
			B	Harvest tag	14	2/angler	30
			C	Harvest tag	18	2/angler	10
		2	A	Harvest tag	26	1/angler	30
			B	Harvest tag	26	4/angler	20
			C	Current management	22	1/boat	30
19	7	1	A	Harvest tag	14	4/angler	10
			B	Current management	22	2/angler	30
			C	Current management	22	2/angler	10
		2	A	Current management	18	1/boat	10
			B	Current management	26	1/angler	30
			C	Harvest tag	14	4/angler	30
		3	A	Harvest tag	26	1/boat	20
			B	Harvest tag	18	1/angler	20

			C	Current management	14	2/angler	20
20	8	1	A	Current management	22	4/angler	20
			B	Current management	26	2/angler	30
			C	Harvest tag	14	1/angler	10
		2	A	Harvest tag	18	4/angler	20
			B	Current management	22	1/angler	10
			C	Current management	18	1/boat	20
		3	A	Harvest tag	18	2/angler	30
			B	Current management	26	2/angler	30
			C	Harvest tag	14	1/boat	10
21	5	1	A	Current management	22	2/angler	20
			B	Current management	18	2/angler	10
			C	Harvest tag	14	1/angler	10
		2	A	Harvest tag	22	1/boat	20
			B	Harvest tag	26	1/angler	30
			C	Current management	18	1/angler	20
		3	A	Harvest tag	26	4/angler	30
			B	Current management	14	1/boat	10
			C	Harvest tag	22	4/angler	30
22	7	1	A	Harvest tag	26	4/angler	30
			B	Harvest tag	14	1/boat	10
			C	Harvest tag	18	2/angler	30
		2	A	Harvest tag	14	4/angler	30
			B	Current management	22	1/angler	20
			C	Harvest tag	22	1/angler	10
		3	A	Current management	22	2/angler	10
			B	Current management	18	1/boat	20
			C	Current management	26	1/boat	20
23	8	1	A	Harvest tag	14	2/angler	20
			B	Current management	26	1/boat	10
			C	Harvest tag	18	1/boat	10
		2	A	Harvest tag	18	4/angler	30
			B	Harvest tag	14	2/angler	20

			C	Current management	22	4/angler	30
		3	A	Current management	18	2/angler	20
			B	Current management	26	1/angler	30
			C	Current management	22	1/angler	10
24	7	1	A	Current management	22	4/angler	20
			B	Harvest tag	26	1/angler	30
			C	Current management	22	2/angler	30
		2	A	Current management	18	4/angler	20
			B	Harvest tag	14	2/angler	10
			C	Current management	26	1/boat	10
		3	A	Harvest tag	14	1/boat	10
			B	Harvest tag	22	1/angler	20
			C	Harvest tag	18	1/angler	30

Table S4. The D-efficient design for choice experiment 2 and the Peninsula version that includes the block number, number of responses per block, task number, trip choices, and level of attributes that included management option (current management vs harvest tag), catch size and rate, and distance from shore. This choice experiment and version surveyed respondents from Florida, USA that launched from the Peninsula to fish for red snapper 2019-2020 (n=218).

Block	Number of responses	Task	Trip alternative	Management option	Catch size (inches)	Catch rate	Distance from shore (miles)
1	10	1	A	Harvest tag	18	1/boat	40
			B	Harvest tag	14	2/angler	40
			C	Current management	22	1/angler	30
		2	A	Current management	14	2/angler	50
			B	Current management	22	1/angler	50
			C	Current management	18	4/angler	30
		3	A	Current management	22	1/boat	50
			B	Harvest tag	26	4/angler	40
			C	Harvest tag	26	1/angler	30
2	7	1	A	Current management	18	2/angler	50
			B	Harvest tag	22	1/boat	50
			C	Harvest tag	22	2/angler	30
		2	A	Harvest tag	18	1/boat	30
			B	Harvest tag	18	4/angler	40
			C	Current management	14	1/angler	30
3	11	1	A	Harvest tag	18	2/angler	30
			B	Current management	14	4/angler	40
			C	Current management	22	1/boat	40
		2	A	Current management	26	4/angler	50
			B	Harvest tag	14	4/angler	30
			C	Harvest tag	18	1/angler	50
		3	A	Harvest tag	22	2/angler	30
			B	Current management	18	1/angler	40
			C	Current management	26	1/boat	50
4	9	1	A	Harvest tag	18	2/angler	50
			B	Harvest tag	22	4/angler	50
			C	Current management	14	1/angler	40
		2	A	Harvest tag	26	1/angler	40

			B	Harvest tag	26	1/boat	30
			C	Harvest tag	26	1/angler	30
		3	A	Current management	14	2/angler	50
			B	Current management	18	4/angler	30
			C	Current management	22	1/boat	40
5	10	1	A	Current management	22	2/angler	40
			B	Current management	22	1/boat	30
			C	Harvest tag	26	4/angler	50
		2	A	Harvest tag	18	1/angler	40
			B	Harvest tag	18	1/angler	50
			C	Current management	14	1/angler	30
		3	A	Current management	26	2/angler	40
			B	Harvest tag	22	1/boat	30
			C	Current management	14	4/angler	50
6	9	1	A	Current management	26	1/angler	30
			B	Current management	18	2/angler	30
			C	Harvest tag	22	1/angler	30
		2	A	Harvest tag	14	2/angler	50
			B	Harvest tag	26	4/angler	40
			C	Harvest tag	26	1/boat	50
		3	A	Current management	14	1/angler	40
			B	Current management	18	1/boat	40
			C	Harvest tag	22	4/angler	50
7	7	1	A	Current management	26	1/boat	30
			B	Harvest tag	14	1/boat	40
			C	Current management	14	1/angler	40
		2	A	Harvest tag	18	4/angler	50
			B	Harvest tag	18	4/angler	30
			C	Current management	26	1/boat	50
		3	A	Current management	26	1/angler	40
			B	Harvest tag	22	2/angler	30
			C	Harvest tag	22	1/angler	50
8	12	1	A	Harvest tag	22	4/angler	40

			B	Harvest tag	18	1/boat	30
			C	Harvest tag	22	1/boat	50
		2	A	Current management	26	1/angler	40
			B	Current management	26	2/angler	40
			C	Current management	26	4/angler	40
		3	A	Current management	18	1/angler	50
			B	Harvest tag	14	4/angler	30
			C	Harvest tag	14	2/angler	50
9	9	1	A	Harvest tag	18	4/angler	30
			B	Harvest tag	22	2/angler	40
			C	Harvest tag	26	2/angler	50
		2	A	Current management	18	1/angler	30
			B	Harvest tag	14	4/angler	50
			C	Current management	14	1/boat	40
		3	A	Current management	18	1/angler	50
			B	Current management	22	1/boat	30
			C	Current management	26	2/angler	40
10	10	1	A	Current management	14	4/angler	30
			B	Current management	18	1/boat	30
			C	Harvest tag	18	4/angler	40
		2	A	Harvest tag	22	1/boat	40
			B	Harvest tag	26	2/angler	50
			C	Harvest tag	18	1/angler	40
		3	A	Current management	14	4/angler	30
			B	Current management	26	2/angler	50
			C	Current management	22	1/angler	50
11	9	1	A	Harvest tag	26	1/boat	30
			B	Harvest tag	18	4/angler	30
			C	Current management	22	4/angler	50
		2	A	Current management	14	1/boat	40
			B	Current management	14	1/angler	40
			C	Harvest tag	26	2/angler	40

		3	A	Current management	14	2/angler	30
			B	Harvest tag	18	1/boat	40
			C	Harvest tag	22	1/angler	50
12	9	1	A	Harvest tag	14	1/boat	40
			B	Current management	22	4/angler	50
			C	Harvest tag	14	1/boat	40
		2	A	Harvest tag	26	1/angler	30
			B	Harvest tag	22	1/boat	50
			C	Current management	18	2/angler	30
		3	A	Current management	22	1/angler	50
			B	Current management	18	4/angler	30
			C	Harvest tag	26	2/angler	40
13	9	1	A	Current management	18	2/angler	50
			B	Current management	14	4/angler	40
			C	Harvest tag	22	1/angler	50
		2	A	Current management	26	4/angler	40
			B	Harvest tag	22	1/boat	30
			C	Harvest tag	22	1/boat	30
		3	A	Harvest tag	14	1/angler	40
			B	Current management	26	1/angler	30
			C	Current management	18	2/angler	50
14	9	1	A	Harvest tag	18	1/boat	40
			B	Current management	26	4/angler	50
			C	Current management	14	4/angler	50
		2	A	Harvest tag	18	2/angler	40
			B	Harvest tag	26	1/boat	30
			C	Current management	14	1/angler	30
		3	A	Harvest tag	22	2/angler	40
			B	Current management	14	1/boat	30
			C	Harvest tag	22	1/angler	40
15	9	1	A	Current management	26	1/boat	40
			B	Harvest tag	26	1/boat	50
			C	Harvest tag	14	1/angler	40

		2	A	Current management	26	1/angler	30
			B	Harvest tag	22	4/angler	40
			C	Harvest tag	22	2/angler	40
		3	A	Harvest tag	18	2/angler	30
			B	Current management	14	4/angler	50
			C	Current management	18	4/angler	50
16	9	1	A	Current management	14	4/angler	30
			B	Current management	18	4/angler	40
			C	Harvest tag	22	1/angler	30
		2	A	Current management	18	1/angler	50
			B	Current management	22	1/boat	50
			C	Harvest tag	14	1/angler	40
		3	A	Harvest tag	26	1/boat	50
			B	Harvest tag	26	2/angler	40
			C	Harvest tag	22	2/angler	30
17	9	1	A	Current management	22	2/angler	40
			B	Current management	18	4/angler	50
			C	Current management	14	1/boat	40
		2	A	Harvest tag	26	2/angler	50
			B	Harvest tag	14	2/angler	30
			C	Current management	26	1/boat	50
		3	A	Harvest tag	14	1/angler	30
			B	Current management	18	1/angler	30
			C	Harvest tag	22	4/angler	40
18	11	1	A	Current management	22	4/angler	40
			B	Current management	18	1/boat	30
			C	Current management	14	2/angler	30
		2	A	Current management	18	1/angler	40
			B	Harvest tag	14	2/angler	50
			C	Harvest tag	18	2/angler	30
		3	A	Harvest tag	26	1/angler	50
			B	Harvest tag	26	4/angler	40

			C	Current management	22	1/boat	50
19	9	1	A	Harvest tag	14	4/angler	30
			B	Current management	22	2/angler	50
			C	Current management	22	2/angler	30
		2	A	Current management	18	1/boat	30
			B	Current management	26	1/angler	50
			C	Harvest tag	14	4/angler	50
		3	A	Harvest tag	26	1/boat	40
			B	Harvest tag	18	1/angler	40
			C	Current management	14	2/angler	40
20	9	1	A	Current management	22	4/angler	40
			B	Current management	26	2/angler	50
			C	Harvest tag	14	1/angler	30
		2	A	Harvest tag	18	4/angler	40
			B	Current management	22	1/angler	30
			C	Current management	18	1/boat	40
		3	A	Harvest tag	18	2/angler	50
			B	Current management	26	2/angler	50
			C	Harvest tag	14	1/boat	30
21	9	1	A	Current management	22	2/angler	40
			B	Current management	18	2/angler	30
			C	Harvest tag	14	1/angler	30
		2	A	Harvest tag	22	1/boat	40
			B	Harvest tag	26	1/angler	50
			C	Current management	18	1/angler	40
		3	A	Harvest tag	26	4/angler	50
			B	Current management	14	1/boat	30
			C	Harvest tag	22	4/angler	50
22	6	1	A	Harvest tag	26	4/angler	50
			B	Harvest tag	14	1/boat	30
			C	Harvest tag	18	2/angler	50
		2	A	Harvest tag	14	4/angler	50
			B	Current management	22	1/angler	40

			C	Harvest tag	22	1/angler	30
		3	A	Current management	22	2/angler	30
			B	Current management	18	1/boat	40
			C	Current management	26	1/boat	40
23	10	1	A	Harvest tag	14	2/angler	40
			B	Current management	26	1/boat	30
			C	Harvest tag	18	1/boat	30
		2	A	Harvest tag	18	4/angler	50
			B	Harvest tag	14	2/angler	40
			C	Current management	22	4/angler	50
		3	A	Current management	18	2/angler	40
			B	Current management	26	1/angler	50
			C	Current management	22	1/angler	30
24	7	1	A	Current management	22	4/angler	40
			B	Harvest tag	26	1/angler	50
			C	Current management	22	2/angler	50
		2	A	Current management	18	4/angler	40
			B	Harvest tag	14	2/angler	30
			C	Current management	26	1/boat	30
		3	A	Harvest tag	14	1/boat	30
			B	Harvest tag	22	1/angler	40
			C	Harvest tag	18	1/angler	50

Table S5. Demographic characteristics of respondents to a survey that asked about their experience as a red snapper angler in Florida, USA, 2019-2020 (n=766).

	No.	%
Age		
18-24 years	21	2.7
25-34 years	67	8.7
35-44 years	138	18.0
45-54 years	222	29.0
55-64 years	260	33.9
65-74 years	53	6.9
75+ years	1	0.1
No answer	4	0.5
Income		
Less than $25,000	12	1.7
$25,000 to $49,999	40	5.1
$50,000 to $99,999	167	21.9
$100,000 to $199,999	285	37.0
$200,000 or more	159	20.7
No answer	103	13.4
Launch location		
Panhandle Florida	427	55.7
Peninsula Florida	339	44.3
Gender		
Male	720	94.0
Female	44	5.7
No answer	2	0.3
Travel distance offshore to harvest red snapper		
10 miles or less	144	18.8
11-20 miles	180	23.5
21-30 miles	166	21.7
Over 30 miles	274	35.7
No answer	2	0.3
Use for-hire vessels (charter, head, or party boats)?		
Yes	108	14.1
No	657	85.8
No answer	1	0.1

Table S6. Results (mean ± SD) of questions that asked about the respondents' experience as a red snapper angler in Florida, USA 2019-2020 (n=766). These questions asked about how much the respondents fished and what changes they have seen in the size and number of fish in the Gulf of Mexico.

	Median	**Mean ± SD**
In the past year, approximately how many trips did you take that targeted red snapper?	4	5.056 ± 8.342
Approximately how many red snapper did you catch in the last 12 months?	12	34.130 ± 74.375
Approximately how many red snapper did you release in the last 12 months?	20	42.378 ± 84.495
Taking into account both the fish you released and kept, what was the average size of the red snapper that you caught in the last 12 months (total length in inches)?	20	20.647 ± 4.106
What was the weight of the largest red snapper you caught in the past 12 months (lbs)?	10	11.507 ± 8.535
On an average red snapper trip, what is the total distance you travel on the water (miles)?	63	67.797 ± 36.273
Approximately how many hours per trip did you spend on the water when you fish for red snapper (hours per trip)?	8	8.549 ± 5.815
Approximately what size is the boat (in feet)?	25	26.558 ± 6.556
Approximately what size engine does the boat have (horsepower)?	300	328.815 ± 202.712
Approximately how many miles does the boat get for each gallon of fuel?	2	4.525 ± 17.562
On average, how much do you pay per trip on a for-hire vessel? (dollars)	500	1823.194 ± 11979.840

Table S7. Respondents' level of support (strongly oppose – strongly support) for alternative management options of various size limits (16" minimum vs 14-24" harvest slot), bag limits (1, 2, 4 red snapper/person/trip), season lengths (15, 25, 40 days), and harvest tag system (10 red snapper per year with no size or bag limit and no season length (n=766).

	Median	Strongly oppose[a]		Oppose		Neutral		Support		Strongly support		No answer	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
What is your level of support for these alternative size limits on red snapper that may be legally harvested?													
Current management: 16" minimum	Support	77	10.1	89	11.6	193	25.2	245	32.0	135	17.6	27	3.5
14"-24" harvest size	Neutral	159	20.8	151	19.7	164	21.4	191	24.9	72	9.4	29	3.8
Harvest tag: no size limit; maximum of 10 fish per year	Oppose	201	26.2	179	23.4	75	9.8	71	9.3	230	30.0	10	1.3
What is your level of support of these alternative bag limits for red snapper?													
Current management: 2 snapper/person/trip; fishing season remains unchanged	Neutral	116	15.1	225	29.4	222	29.0	114	14.9	61	8.0	28	3.7
1 snapper/person/trip; longer fishing season	Oppose	272	35.5	235	30.7	101	13.2	89	11.6	48	6.3	21	2.7
4 snapper/person/trip; shorter fishing season	Oppose	259	33.8	258	33.7	117	15.3	70	9.1	39	5.1	23	3.0
Harvest tag: no bag limit; maximum of 10 fish per year	Neutral	170	22.2	184	24.0	79	10.3	95	12.4	228	29.8	10	1.3
What is your level of support for these alternative recreational season lengths for red snapper?													
Current management: 25 day season	Oppose	142	18.5	242	31.6	213	27.8	111	14.5	39	5.1	19	2.5
15 day season; higher bag limit	Oppose	299	39.0	294	38.4	95	12.4	32	4.2	19	2.5	27	3.5
40 day season; lower bag limit	Oppose	180	23.5	267	34.9	136	17.8	108	14.1	47	6.1	28	3.7

Harvest tag: no season; maximum of 10 fish per year	Neutral	165	21.5	175	22.8	76	9.9	96	12.5	238	31.1	16	2.1

[a] Strongly oppose = -2, oppose = -1, neutral = 0, support = 1, strongly support = 2.

Table S8. Respondents' level of support (strongly oppose – strongly support) for alternative management options of various size limits (16" minimum vs 14-24" harvest slot), bag limits (1, 2, 4 red snapper/person/trip), season lengths (15, 25, 40 days), and harvest tag system (10 red snapper per year with no size or bag limit and no season length (n=766). The factor loadings for the composite variable "harvest tag support" are listed.

	Median	Mean[a]	SD	Min.	Max.	Factor loading
Alternative size limits						
Current management: 16" minimum	Support	0.37	1.21	-2	2	
14"-24" harvest size	Neutral	-0.18	1.30	-2	2	
Harvest tag: no size limit; maximum of 10 fish per year	Oppose	-0.07	1.62	-2	2	0.89
Alternative bag limits				-2	2	
Current management: 2 snapper/person/trip; fishing season remains unchanged	Neutral	-0.30	1.15	-2	2	
1 snapper/person/trip; longer fishing season	Oppose	-0.80	1.23	-2	2	
4 snapper/person/trip; shorter fishing season	Oppose	-0.85	1.15	-2	2	
Harvest tag: no bag limit; maximum of 10 fish per year	Neutral	0.04	1.57	-2	2	0.94
Alternative season lengths				-2	2	
Current management: 25 day season	Oppose	-0.45	1.11	-2	2	
15 day season; higher bag limit	Oppose	-1.11	0.96	-2	2	
40 day season; lower bag limit	Oppose	-0.28	1.18	-2	2	
Harvest tag: no season; maximum of 10 fish per year	Neutral	0.09	1.58	-2	2	0.90
Variance Explained						83.20%
Cronbach's alpha						0.95

[a] Strongly oppose = -2, oppose = -1, neutral = 0, support = 1, strongly support = 2.

Table S9. Composite variables that were used in the two choice experiments (SPCE 1 and SCPE 2) that were treated as covariates in the random parameter logistic models. These covariates were created by interacting the attribute level (management option, size and bag limit, season length, and on-water distance attributes) chosen with respondents' support for or opposition to these attribute levels.

	Median	Mean	SD	Min.	Max.
SPCE 1					
Size preference[1]	0.0	-0.220	1.088	-2.0	2.0
Bag preference[2]	0.0	-0.969	3.061	-8.0	8.0
Season preference[3]	0.0	-9.645	35.148	-90.0	90.0
Distance x travel distance[4]	300.0	516.785	488.298	0.0	1500.0
SCPE 2					
Management x harvest tag support[5]	0.0	0.050	3.551	-5.543	5.543

[1] The attributes for size limit (16" minimum vs 14-24" harvest slot) that respondents selected in the choice experiments were interacted with their effects-coded (-2 to 2) support for that size limit.

[2] The attributes for bag limit (1,2, or 4 red snapper/person/trip) that respondents selected in the choice experiments were interacted with their effects-coded (-2 to 2) support for that bag limit.

[3] The attributes for season length (15, 30, 45 days) that respondents selected in the choice experiments were interacted with their effects-coded (-2 to 2) support for that season length.

[4] The attributes for on-water distance (10, 20, 30, 40, 50 miles) that respondents selected in the choice experiments were interacted with the distance they travel off shore to harvest red snapper.

[5] The attributes for management option (current management vs harvest tag) that respondents selected in the choice experiments were interacted with their effects-coded support for the harvest tag option.

Table S10. Parameter estimates, standard errors, and 95% confidence intervals for multinomial logistic regression that estimated effort of management option (current management vs harvest tag) on effort response (decrease, stay the same, increase). Coefficients are interpreted as odds ratios relative to a reference level of the effort response "stay the same".

Variable	Estimate	Standard Error	Confidence interval – lower	Confidence interval - upper
Decrease				
Intercept	0.166	0.089	0.140	0.198
Management option	1.279	0.123	1.005	1.628
Increase				
Intercept	0.412	0.062	0.365	0.465
Management option	1.239	0.087	1.044	1.470