DIVISION OF SUBSISTENCE

RC: 56

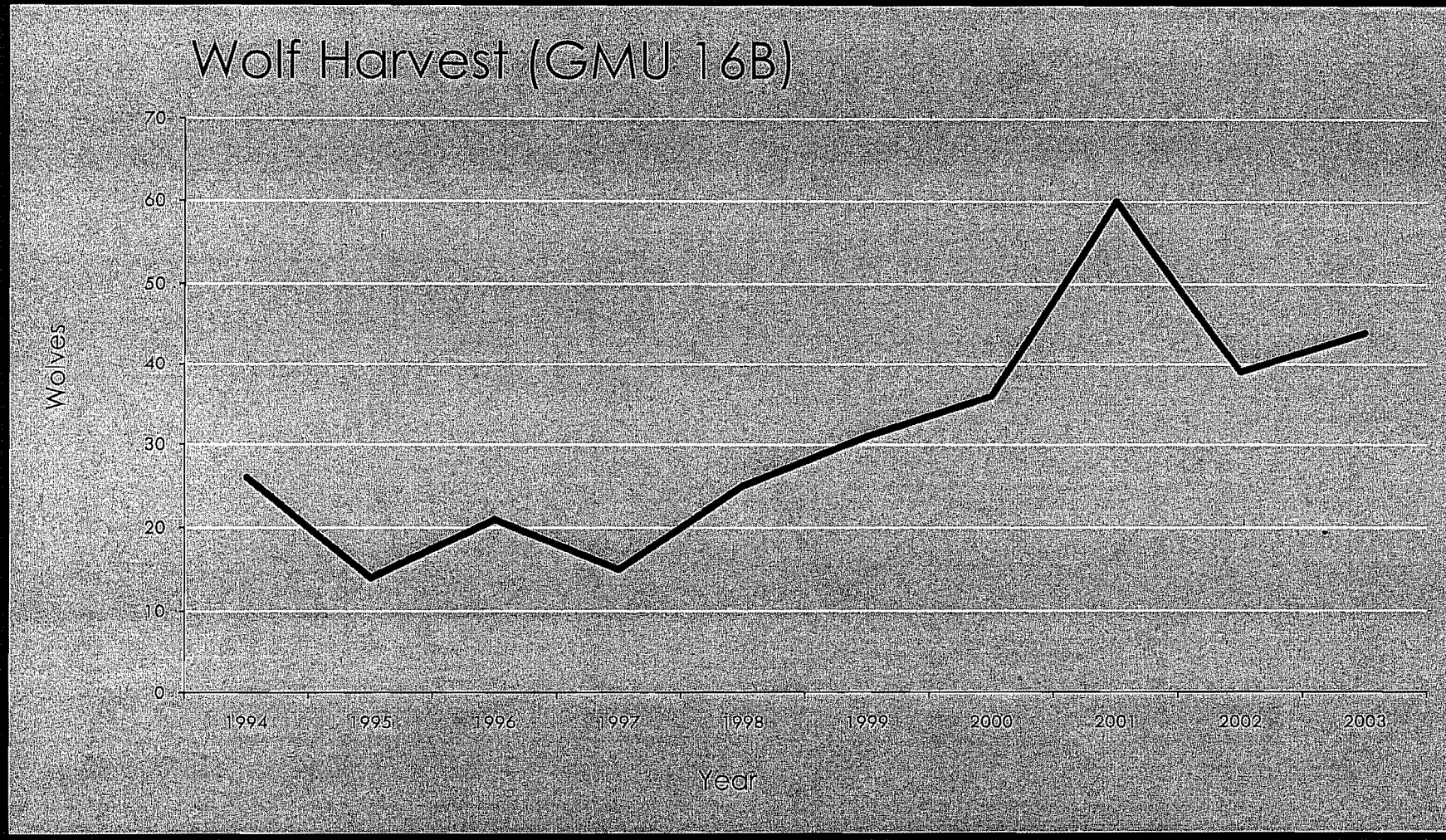
Department of Fish and Game

ANS Options for Wolves
Proposals 102, 66, 65, 19, 20

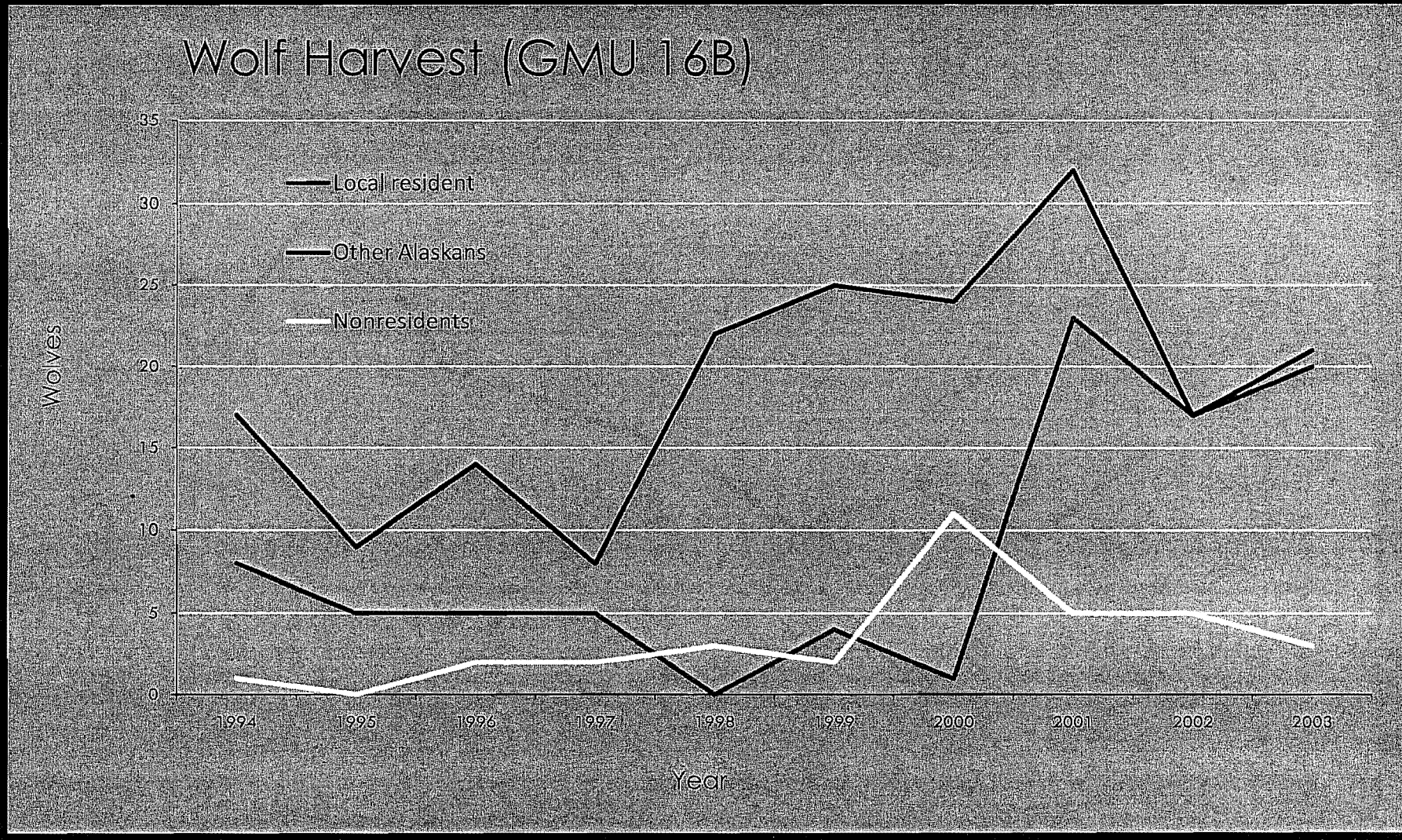
Proposal 102 Wolf / Unit 16B

Define amount of wolves reasonably necessary for subsistence.

Proposal 102 Wolf / Unit 16B



Proposal 102 Wolf / Unit 16B



Proposal 102 — Wolf / Unit 16B

ANS options for wolves in Unit 16B

Option 1. Low and High Harvest, 1994-2003

Local community residents only

Harvest		Equals	ANS Range Recommendation (rounded)	
Low	High		**Low**	**High**
0	23		**0**	**25**

Option 2. Low and High Harvest, 1994-2003

All Alaska Residents

Harvest		Equals	ANS Range Recommendation (rounded)	
Low	High		**Low**	**High**
13	55		**15**	**55**

Option 5. Percentage of the total average harvest of wolves by local residents, 1990-2009
28% of harvestable surplus

Standard Deviation

		Plus
Mean	SD	
9	8	

Standard Deviation

		Plus
Meah	SD	
28	13	

Option 3. Using means and standard deviation, 1994-2003
Average harvest plus and minus the standard deviation of the average = ANS recommendation, rounded.
Local community residents only

Mean +/- SD		Equals	ANS Range Recommendation (rounded)	
Low	High		**Low**	**High**
1	17		**0**	**15**

Option 4. Using means and standard deviation, 1994-2003
Average harvest plus and minus the standard deviation of the average = ANS recommendation, rounded.
All Alaska Residents

Mean +/- SD		Equals	ANS Range Recommendation (rounded)	
Low	High		**Low**	**High**
15	41		**15**	**40**

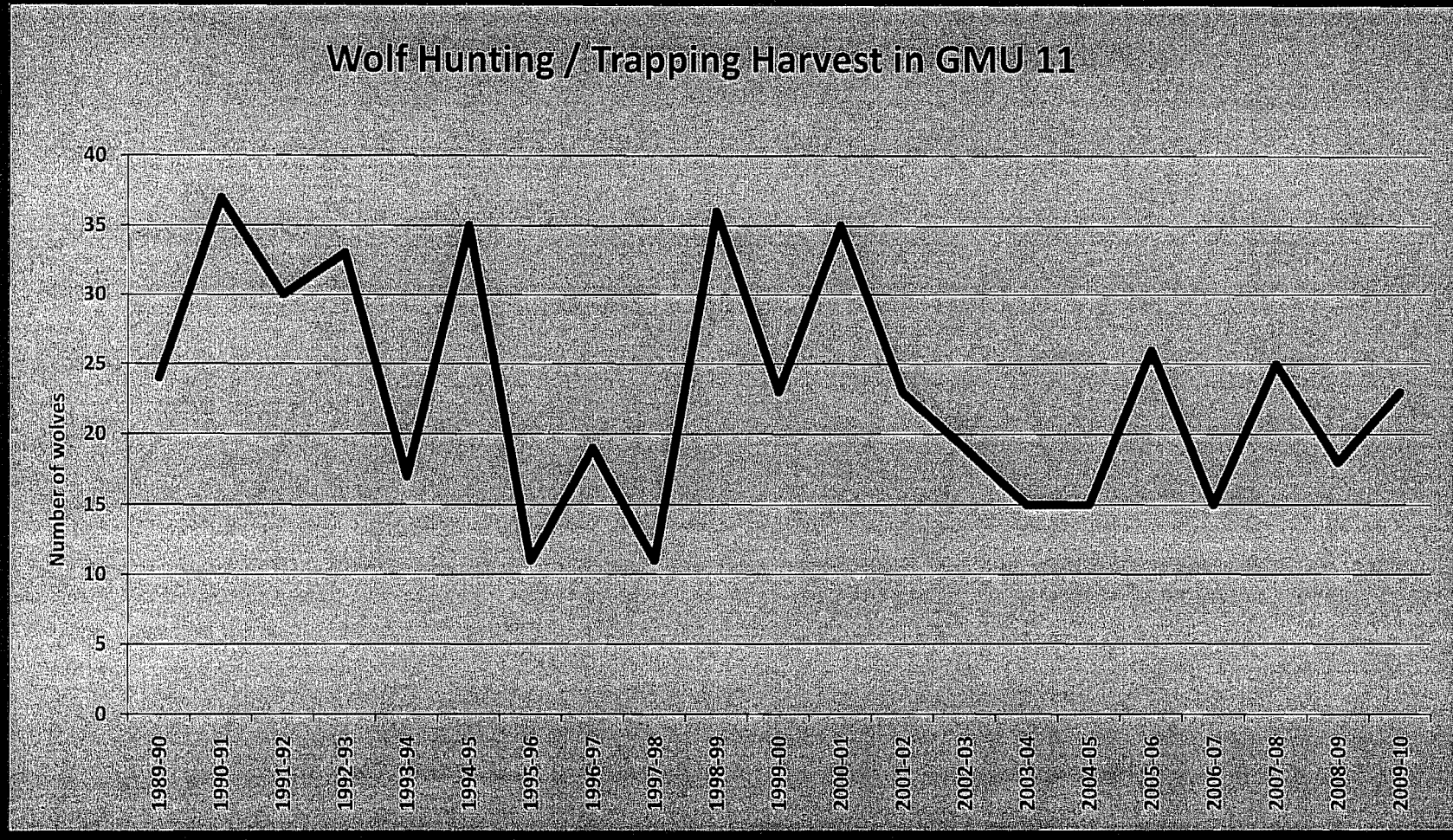
Proposal 66 Wolf / Unit 11

Define amount of caribou and wolves reasonably necessary for subsistence.

Unit 11 Caribou (Mentasta Herd) has no harvestable surplus.

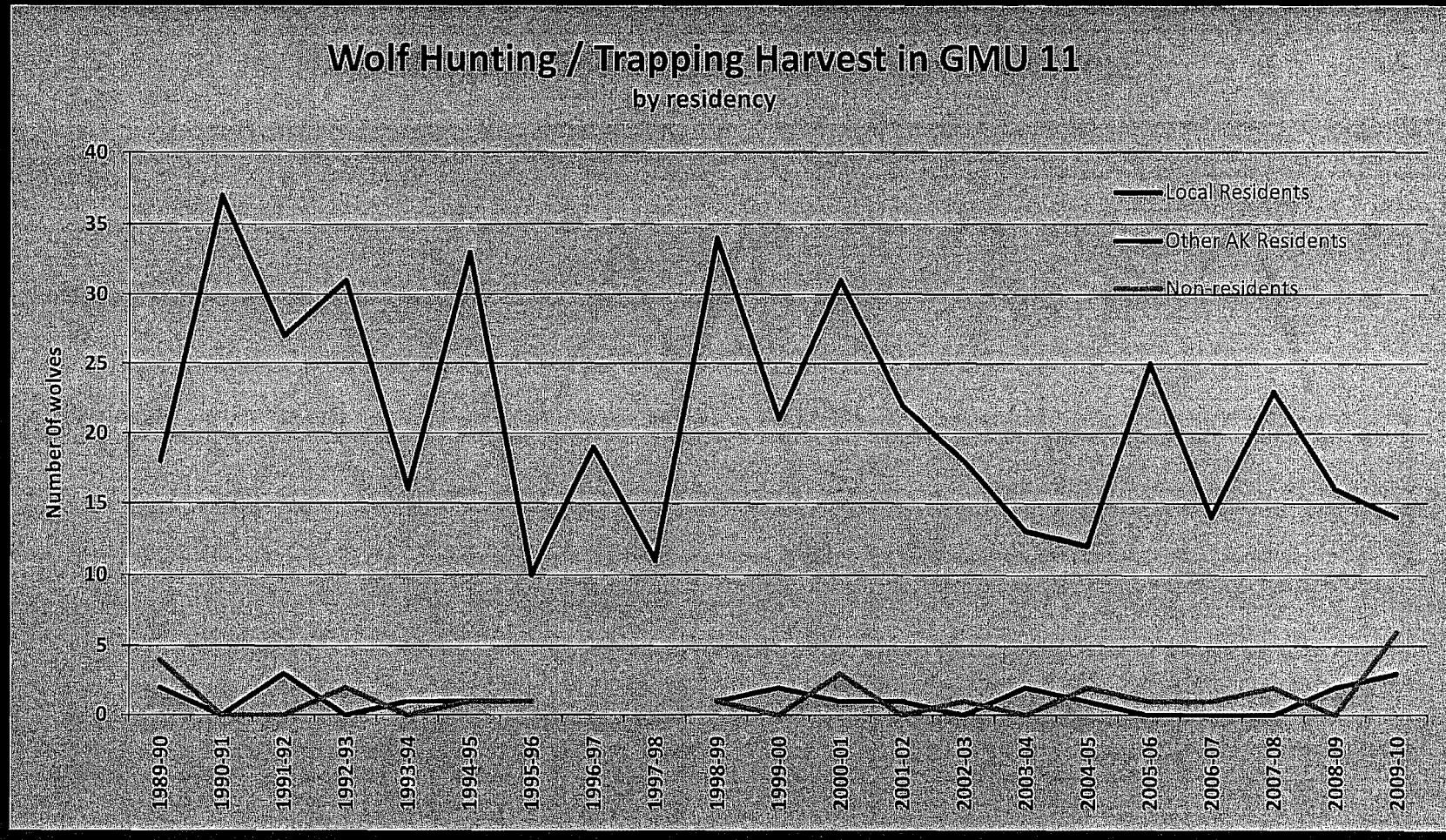
Proposal 66

Wolf / Unit 11



Proposal 66

Wolf / Unit 11



Proposal 66

Wolf / Unit 11

ANS options for wolves in Unit 11

Option 1. Low and High Harvest, 1990-2010

Local community residents only

Harvest		Equals	ANS Range Recommendation (rounded)	
Low	High		**Low**	**High**
11	37		**10**	**35**

Option 2. Low and High Harvest, 1990-2010

All Alaska Residents

Harvest		Equals	ANS Range Recommendation (rounded)	
Low	High		**Low**	**High**
13	37		**15**	**35**

Option 5. Percentage of the total average harvest of wolves by local residents, 1990-2009

91% of harvestable surplus

Standard Deviation

		Plus
Mean	SD	
21	8	
22	8	

Option 3. Using means and standard deviation, 1990-2010

Average harvest plus and minus the standard deviation of the average = ANS recommendation, rounded.

Local community residents only

Mean +/- SD		Equals	ANS Range Recommendation (rounded)	
Low	High		**Low**	**High**
13	29		**15**	**30**

Option 4. Using means and standard deviation, 1990-2010

Average harvest plus and minus the standard deviation of the average = ANS recommendation, rounded.

All Alaska Residents

Mean +/- SD		Equals	ANS Range Recommendation (rounded)	
Low	High		**Low**	**High**
14	30		**15**	**30**

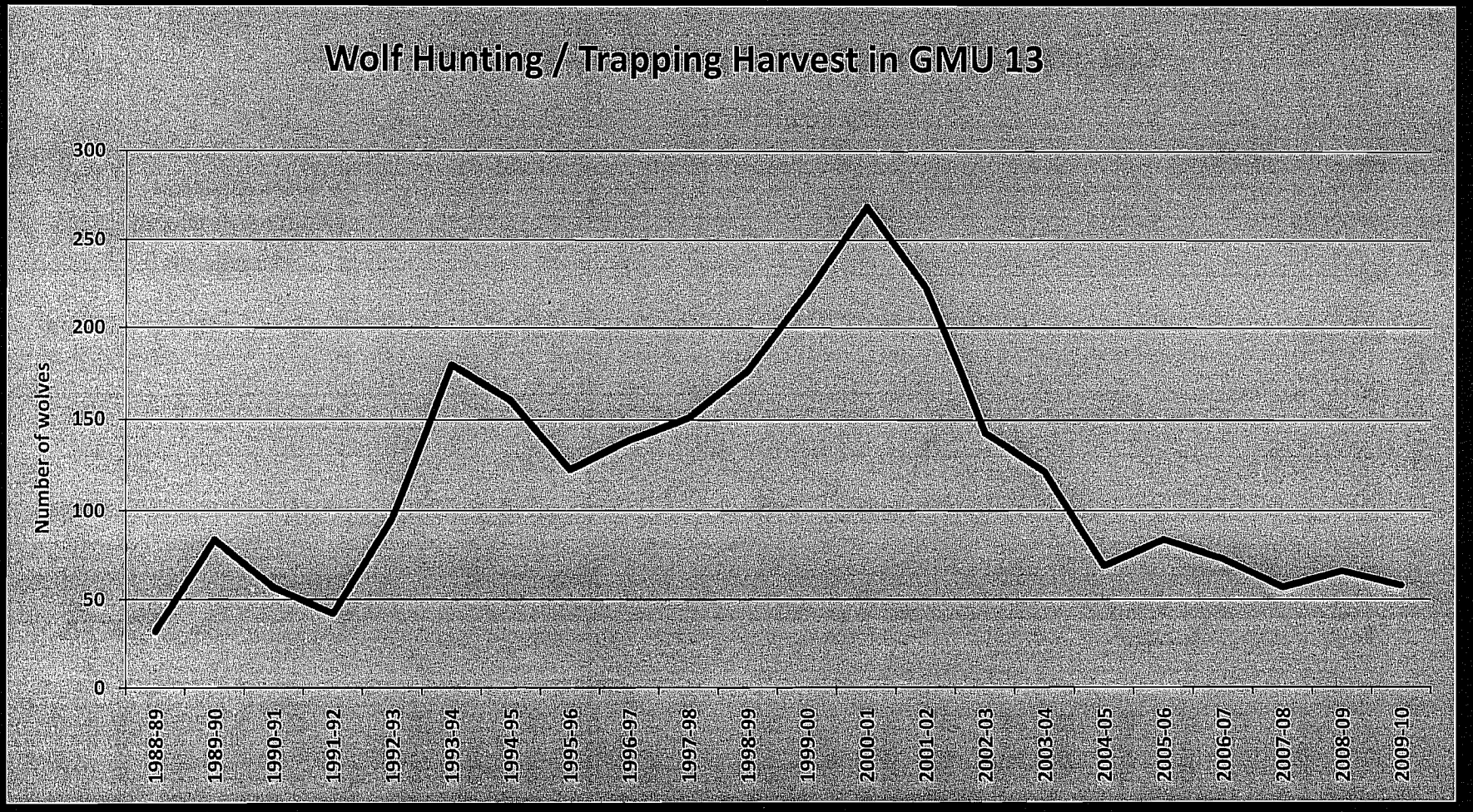
Proposal 65

Wolf / Unit 13

Define amount of wolves
reasonably necessary for subsistence.

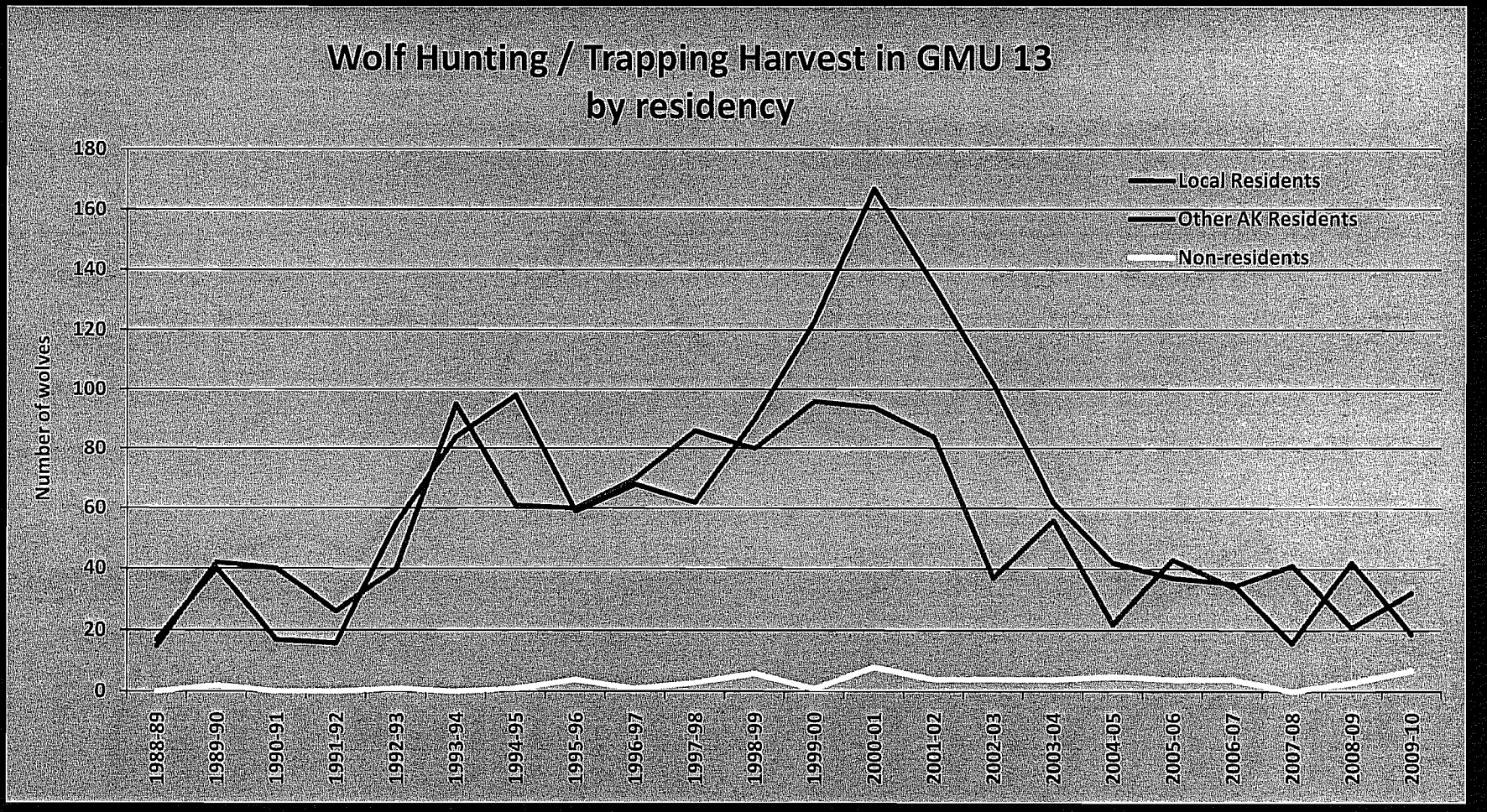
Proposal 65

Wolf / Unit 13



Proposal 65

Wolf / Unit 13



Proposal 65

Wolf / Unit 13

ANS options for wolves in Unit 13

Option 1. Low and High Harvest, 1989-2010

Local community residents only

Harvest		Equals ANS Range Recommendation (rounded)	
Low	High	Low	High
15	95	15	95

Standard Deviation

Minus		Plus
Mean	SD	
48	23	

Option 2. Low and High Harvest, 1989-2010

All Alaska Residents

Harvest		Equals ANS Range Recommendation (rounded)	
Low	High	Low	High
32	179	30	180

Standard Deviation

Minus		Plus
Mean	SD	
96	47	

Option 3. Using means and standard deviation, 1989-2010

Average harvest plus and minus the standard deviation of the average = ANS recommendation, rounded.

Local community residents only

Mean +/- SD		Equals ANS Range Recommendation (rounded)	
Low	High	Low	High
25	71	25	70

Option 4. Using means and standard deviation, 1989-2010

Average harvest plus and minus the standard deviation of the average = ANS recommendation, rounded.

All Alaska Residents

Mean +/- SD		Equals ANS Range Recommendation (rounded)	
Low	High	Low	High
49	142	50	140

Option 5. Percentage of the total average harvest of wolves by local residents, 1990-2009

49% of harvestable surplus

Proposal 19

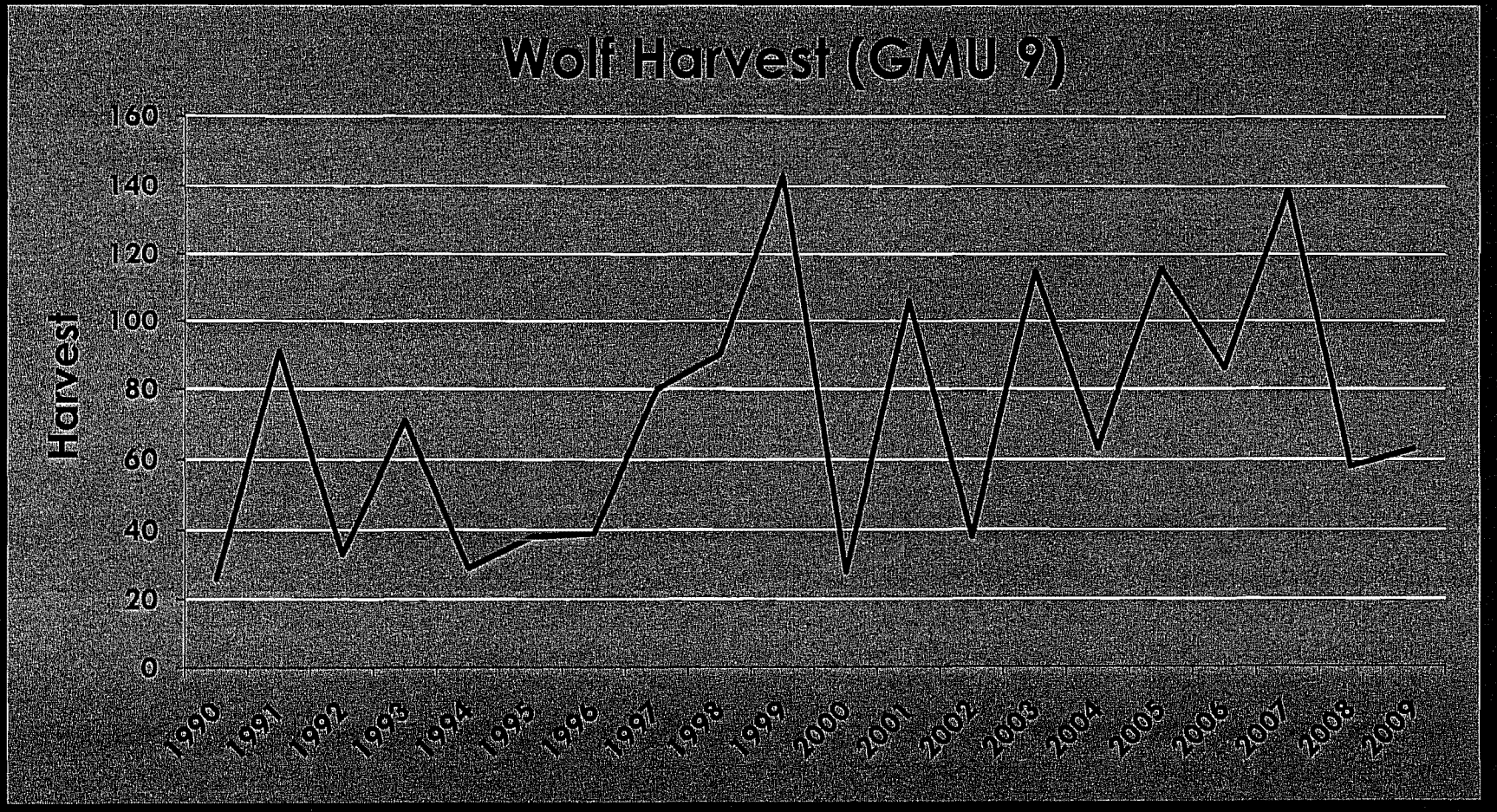
Wolf / Unit 9

Define amount of wolves reasonably necessary for subsistence.

Lake Iliamna AC	*Oppose (0-8)*
Lower Bristol Bay AC	*Oppose (0-6)*
Naknek/Kvichak AC	*Oppose (0-7)*

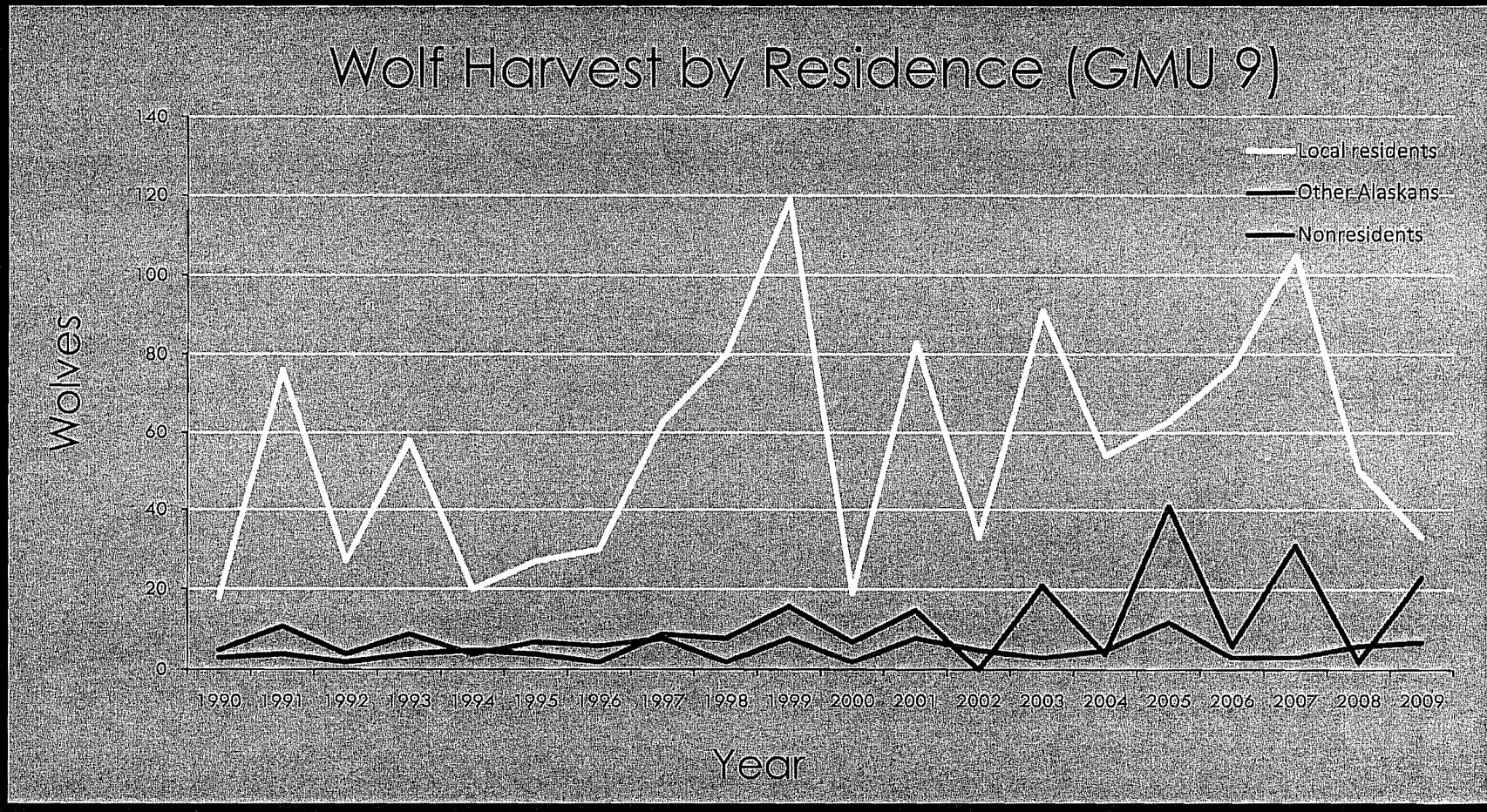
Proposal 19

Wolf / Unit 9



Proposal 19

Wolf / Unit 9



Lake Iliamna AC *Oppose (0-8)*

Lower Bristol Bay AC *Oppose (0-6)*

Naknek/Kvichak AC *Oppose (0-7)*

Proposal 19 — Wolf / Unit 9

ANS options for wolves in GMU 9

Option 1. Low and High Harvest, 1990-2009

Local community residents only

Harvest		Equals	ANS Range Recommendation (rounded)	
Low	High		**Low**	**High**
18	119		**20**	**120**

Option 2. Low and High Harvest, 1990-2009

All Alaska Residents

Harvest		Equals	ANS Range Recommendation (rounded)	
Low	High		**Low**	**High**
21	127		**20**	**130**

Option 3. Using means and standard deviation, 1990-2009

Average harvest plus and minus the standard deviation of the average = ANS recommendation, rounded.

Local community residents only

Standard Deviation			Mean +/- SD		Equals	ANS Range Recommendation (rounded)	
Mean	SD	Plus	Low	High		**Low**	**High**
56	30		26	87		**25**	**85**

Option 4. Using means and standard deviation, 1990-2009

Average harvest plus and minus the standard deviation of the average = ANS recommendation, rounded.

All Alaska Residents

Standard Deviation			Mean +/- SD		Equals	ANS Range Recommendation (rounded)	
Mean	SD	Plus	Low	High		**Low**	**High**
62	31		31	93		**30**	**90**

Option 5. Percentage of the total average harvest of wolves by local residents, 1990-2009

83% of harvestable surplus

Lake Iliamna AC — *Oppose (0-8)*
Lower Bristol Bay AC — *Oppose (0-6)*
Naknek/Kvichak AC — *Oppose (0-7)*

Proposal 20

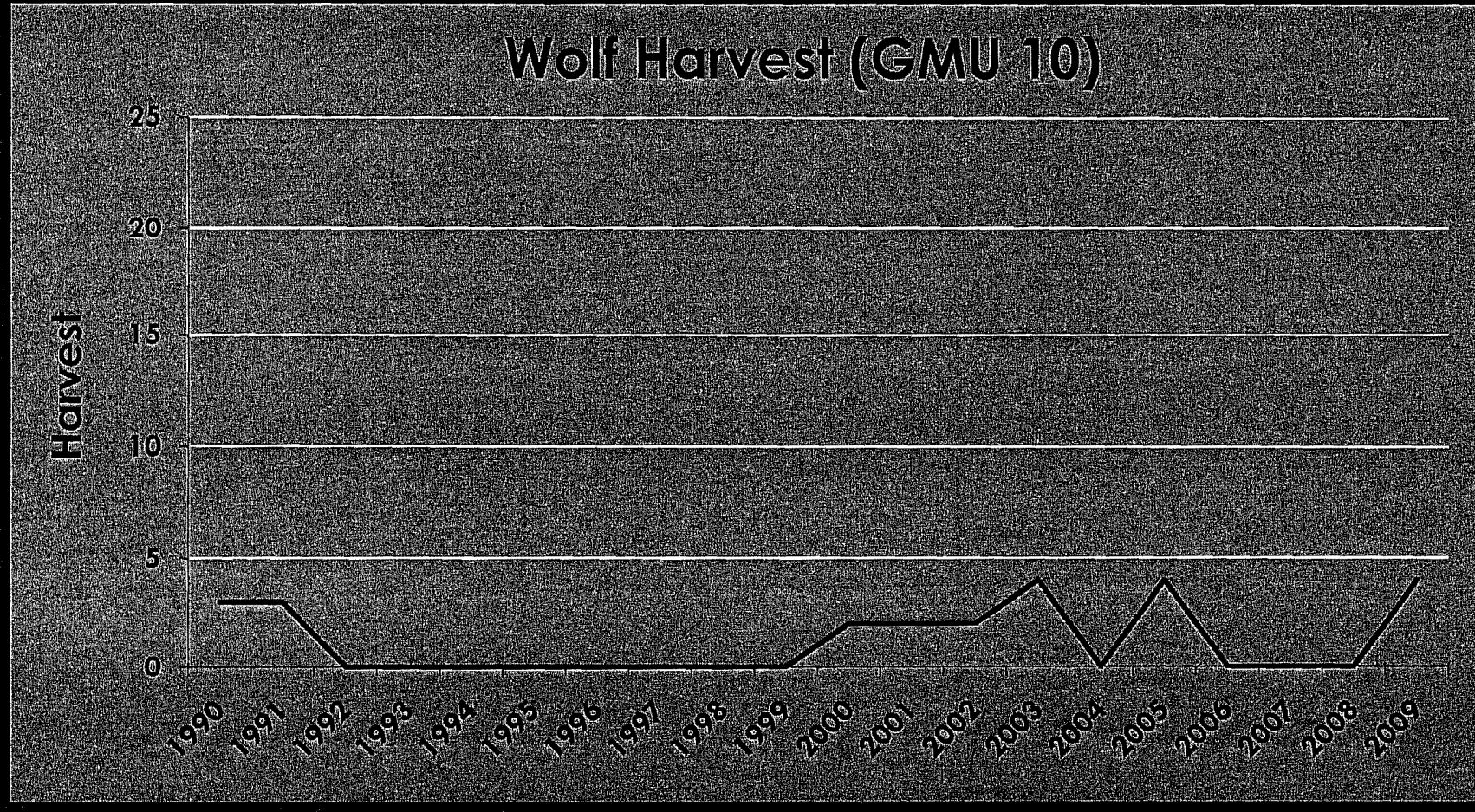
Wolf / Unit 10

Define amount of wolves reasonably necessary for subsistence.

Lower Bristol Bay AC	*Oppose (0-6)*
Naknek/Kvichak AC	*Oppose (0-7)*

Proposal 20

Wolf / Unit 10

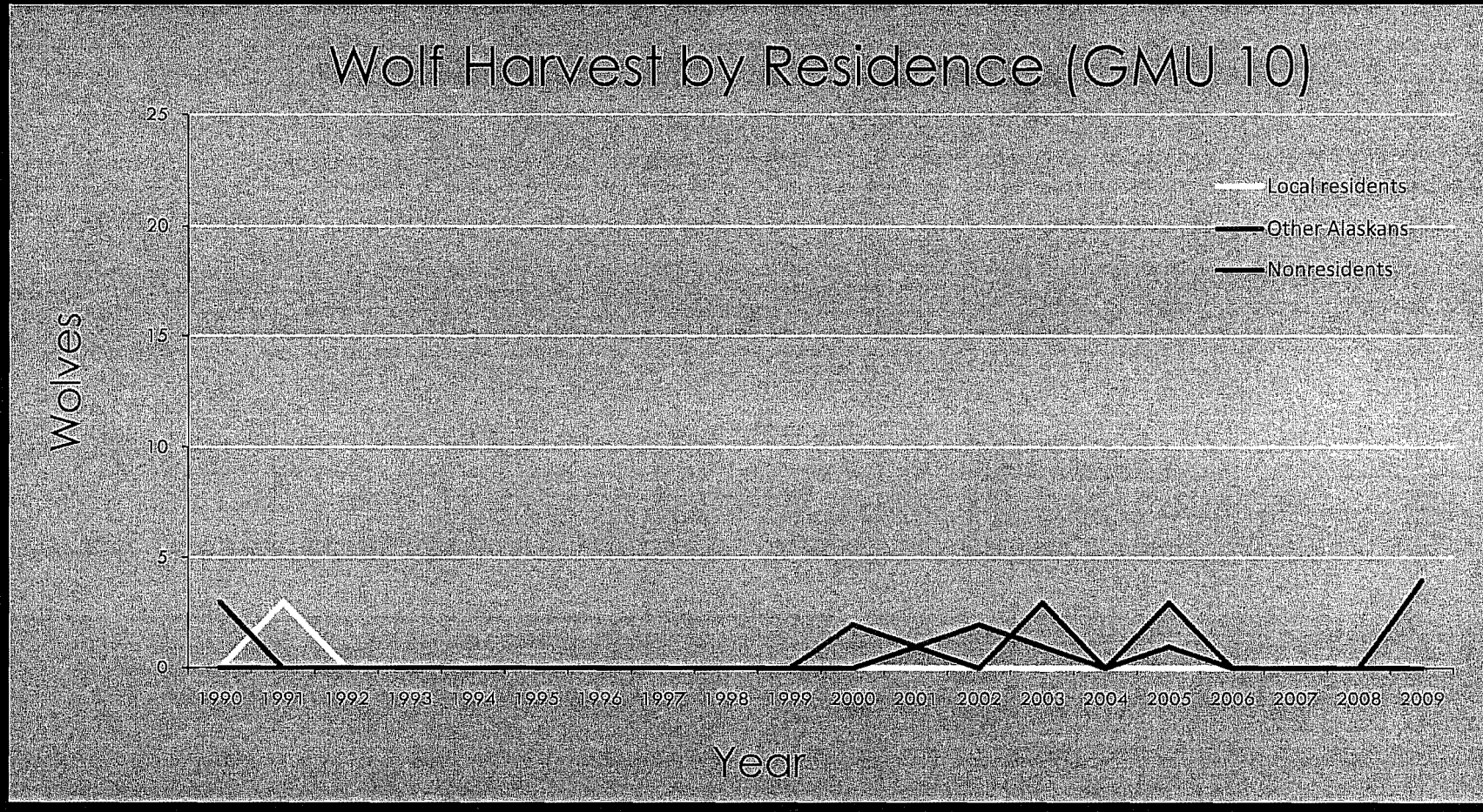


Lower Bristol Bay AC *Oppose (0-6)*

Naknek/Kvichak AC *Oppose (0-7)*

Proposal 20

Wolf / Unit 10



Lower Bristol Bay AC Oppose (0-6)

Naknek/Kvichak AC Oppose (0-7)

Proposal 20 — Wolf / Unit 10

ANS options for wolves in GMU 10

Option 1. Low and High Harvest, 1990-2009

Local community residents only

Harvest		Equals	ANS Range Recommendation (rounded)	
Low	High		Low	High
0	3		0	3

Standard Deviation

		Plus
Mean	SD	
0	1	

Option 3. Using means and standard deviation, 1990-2009

Average harvest plus and minus the standard deviation of the average = ANS recommendation, rounded.

Local community residents only

Mean +/- SD		Equals	ANS Range Recommendation (rounded)	
Low	High		Low	High
-1	1		0	1

Option 2. Low and High Harvest, 1990-2009

All Alaska Residents

Harvest		Equals	ANS Range Recommendation (rounded)	
Low	High		Low	High
0	3		0	3

Standard Deviation

		Plus
Mean	SD	
1	1	

Option 4. Using means and standard deviation, 1990-2009

Average harvest plus and minus the standard deviation of the average = ANS recommendation, rounded.

All Alaska Residents

Mean +/- SD		Equals	ANS Range Recommendation (rounded)	
Low	High		Low	High
0	2		0	2

Option 5. Percentage of the total average harvest of wolves by local residents, 1990-2009

13% of harvestable surplus

Lower Bristol Bay AC Oppose (0-6)

Naknek/Kvichak AC Oppose (0-7)