Independent Evaluation of the Western [redacted] Whale Advisory Panel (WCWAP)

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Ajabu Advisors

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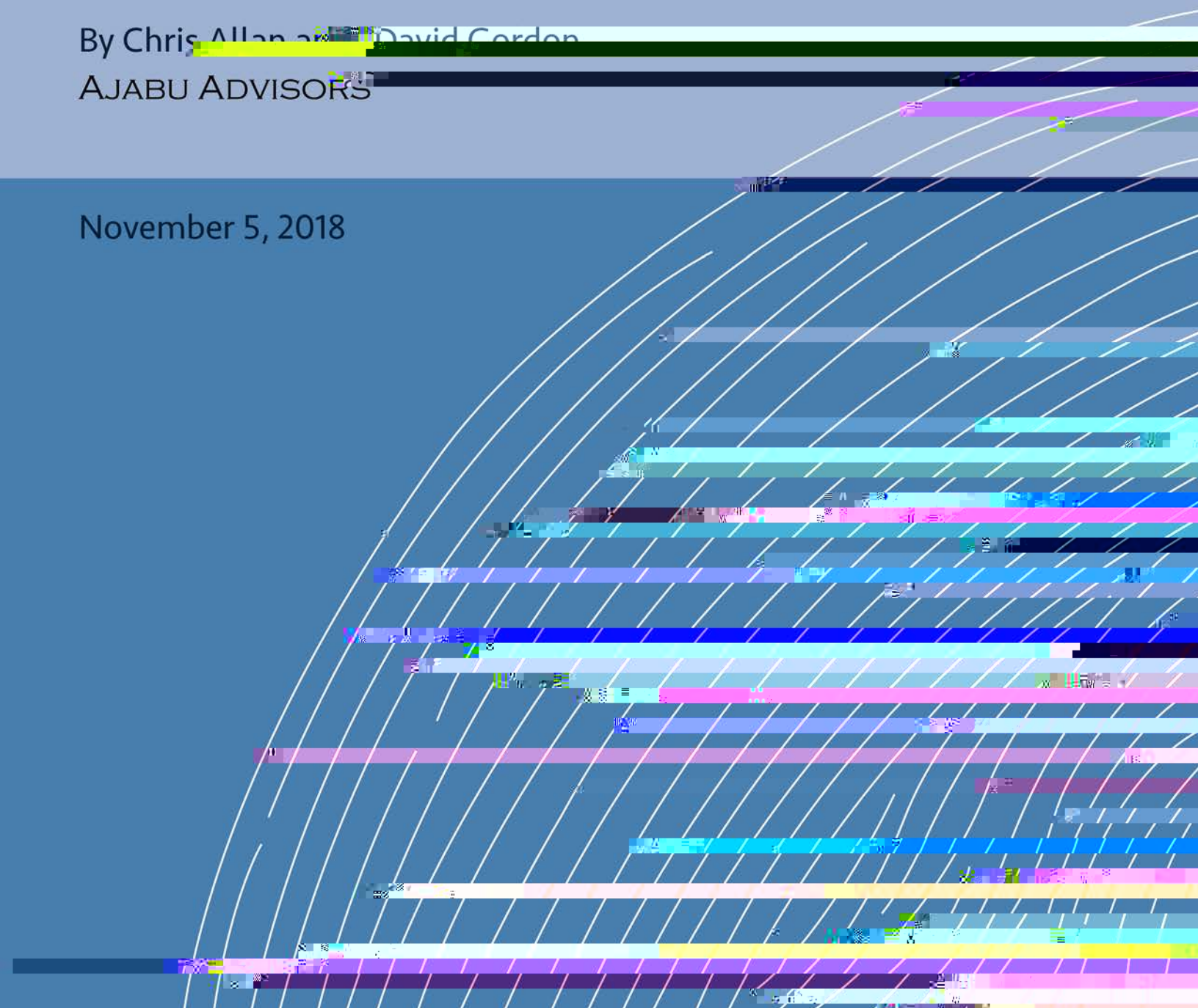

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5 ! /	5ŜØŜf2LJYˇŜyű ! ăăʌăűl·yŎŜ /2YˇYˇʌğŜŜ
9L !	9yØʌN2yYˇŜyűl·f LˇYˇLJl·Ŏű ! ăăŜăăYˇŜyű
9b [	9ÈÈ2yˇbŜDŜƎl·ă [ʌYˇʌűŜŘ
D . . t	Df2ōl·f . dzăʌySăă l·yŘ . ʌ2ŘʌØŜNăʌúè tN2ƎNl·YˇYˇŜ
D9C	Df2ōl·f 9yØʌN2yYˇŜyű Cl·Ŏʌfűúè
D a t t	Df2ōl·f a l·NʌyŜ l·yŘ t2fl·N tN2ƎNl·YˇYˇŜ
I {9{ ! t	I Ŝl·fűKΣ {l·ŦŜűèΣ 9yØʌN2yYˇŜyűl·f l·yŘ {2ŎʌI·f !Ŏə2yˇtfl·yˇ
LC /	LyűŜNyl·ə2yl·f CʌyI·yŎŜ /2NLJ2Nl·ə2yˇ
LL{D	LyűŜNʌYˇ LyŘŜLJŜyŘŜyű {ŎʌŜyˇəăúă DN2dzLJ
L{wt	LyŘŜLJŜyŘŜyű {ŎʌŜyˇəŬŎ wŜØʌŜø tl·yŜf
L{¢! t	LyŘŜLJŜyŘŜyű {ŎʌŜyˇəŬŎ l·yŘ ¢ŜŎKyʌŎl·f !ŘØʌă2Nè tl·yŜf
L¦ / b	LyűŜNyl·ə2yl·f ¦yʌ2yˇŦ2N /2yãŜNyØl·ə2yˇ2Ŧ bl·űdzNŜ
L ² /	LyűŜNyl·ə2yl·f ² Kl·fʌyƎ /2YˇYˇʌăăʌ2yˇ
L ² D	LyűŜNŘŜLJl·NúYˇŜyűl·f ² 2N]ʌyƎ DN2dzLJ
[bD	[ʌIjdzŜŬŜŘ bl·ŭdzNl·f Dl·ă
nd	not dated
a a h	a l·NʌyŜ a l·YˇYˇl·f hōăŜNyØŜN
a a t	a2yʌű2NʌyƎ l·yŘ aʌəƎl·ə2yˇtfl·yˇ
a bw	aʌyˇʌăúNè 2Ŧ bl·ŭdzNl·f wŜă2dzNŎŜă l·yŘ 9Ŏ2f2Ǝè 2Ŧ ŭKŜ wdzăăʌl·yˇCŜŘŜNl·ə2yˇ
bDh	b2yπD2ØŜNyYˇŜyűl·f hNƎl·yʌăl·ə2yˇ
b¢C	b2ʌăŜ ¢l·ă] C2NŎŜ
h9/5	hNƎl·yʌăl·ə2yˇŦ2N 9Ŏ2y2YˇʌŎ /2π2LJŜNl·ə2yˇl·yŘ 5ŜØŜf2LJYˇŜyű
t{ !	tN2ŘdzŎə2yˇ{Kl·NʌyƎ ! ƎNŜŜYˇŜyű
SSC	Species Survival Commission
¢hw	¢ŜNYˇă 2Ŧ wŜŦŜNŜyŎŜ
UK	United Kingdom
¦b5t	¦yʌűŜŘ bl·ə2yã 5ŜØŜf2LJYˇŜyű tN2ƎNl·YˇYˇŜ
² D ²	² ŜăűŜNyˇDNl·è ² Kl·fŜ
² D ² ! t	² ŜăűŜNyˇDNl·è ² Kl·fŜ !ŘØʌă2Nè tl·yŜf

9ÈŜŎdzəØŜ {dzϒϒIᴺȅ

¢Kƛă ŜØI·fdzI·ə2ϒᴺŜØƛŜøă űKŜ ƛϒLJI·Ŏű I·yŘ ŜũŜŎəØŜySŜăă 2₮ űKŜ ² ŜăúŜᴺȳDᴺI·è ² KI·fŜ !ŘØƛă2ᴺè tI·yŜf ó ² D ² ! tú¢
¢KŜ 2ØŜᴺI·ff ∃2I·f 2₮ űKŜ ² D ² ! t ƛă ű2 ƛϒLJᴺ2ØŜ úKŜ Ŏ2yãŜᴺØI·ə2ϒăúI·údză 2₮ űKŜ ² ŜăúŜᴺȳDᴺI·è ² KI·fŜ[1] by providing
2ō?ŜŎəØŜ ƛyŘŜLJŜyŘŜyű I·ŘØƛŌŜ 2ϒűKŜ Ŏ2yãŜᴺØI·ə2ϒ2₮ ² ŜăúŜᴺȳDᴺI·è ² KI·fŜă¢ hØŜᴺI·ftΣ øŜ ŮyŘ űKI·ú űKŜ ² D ² ! t
KI·ă Ŏ2yúᴺƛōdzúŜŘ ƛȳϒŜI·yƛyƎ₮dzf øI·èă ű2 ϒƛyƛϒƛÎƛyƎ ƛϒLJI·Ŏűă ₮ᴺ2ϒ 2ũăK2ᴺŜ 2ƛŁ Yœ ƛȳØ Ƭ Ŝăú Ŝ ł
¢Ɲ ϒ ² D ² ó ơ2Ł ş ' ' űŜŘ Ғ

Stakeholders⁴ fl·ℕ∃ŜfȆ l·∃ℕŜŜ l·ō2ʤzű Ƙ2ø űĸŜ tl·yŜf ƛă ϒŜl·yű ű2 ƛϒLJℕ2ØŜ űĸŜ Ǒ2yãŜℕØl·ə2y˝ăűl·ůʤză 2Ŧ ² ŜăűŜℕy˝Dℕl·è ² Kl·fŜăʏ ¢ĸŜ ² D ² ! t LJℕ2ØƛŘŜă ăǑƛŜyəŬǑ l·ŘØƛǑŜ ű2 {l·ʅKl·fƛy˝9yŜℕ∃ƹ øĸƛǑK Ŝyl·ōfŜă ƛű ű2 Yƛyƛ˝Yƛ˝ÎŜ ƛűă ƛϒLJl·Ǒű 2y˝ ² ŜăűŜℕy˝Dℕl·è ² Kl·fŜă℗ ¢ĸŜ LJℕŜăŜyǑŜ 2Ŧ űĸŜ fŜyŘŜℕă l·yŘ 2ōăŜℕØŜℕă ăʤzǑK l·ă 2űĸŜℕ ℕŜăŜl·ℕǑK ăǑƛŜyəăűă l·yŘ bDhă

² KλfŜ ŎŜNűIλyűè I·ō2dzű λY LJI·Ŏű λă ŜfdzăλØŜΣ űKŜ ² D ² ! t KI·ă LJN2ŘdzŎŜŘ I· yűzY ōŜN 2₮ 2dzűLJdzűă űKI·ű I·NŜ fλ]Ŝfè ű2 KI·ØŜ Ŏ2yűNλōdzűŜŘ ű2 YλyλY λÎλyƎ űKŜ λY LJI·Ŏűă 2₮ 2λf I·yŘ ƎI·ă ŘŜØŜf2LJY Ŝyű 2y ² ŜăúŜNy DNI·è ² KI·fŜ Ŏ2yűŜNØI·ə2y I·yŘ LJ2LJdzfI·ə2y NŜŎ2ØŜNè¢

tI·yŜf wŜŏ2Y Y ŜyŘI·ə2yű ç hy úKŜ ØK2fŜΣ ăúI·]ŜK2fŘŜNă KI·ØŜ Ŏ2yŬŘŜyŎŜ λy úKŜ ŎfI·Nλúè I·yŘ λY LJfŜY Ŝyű I·ə2y 2₮ ² D ² ! t NŜŎ2Y Y ŜyŘI·ə2yű¢ {ű I·]ŜK2fŘŜNă KI·ØŜ Ŏ2yŬŘŜyŎŜ λy λY LJfŜY Ŝyű I·ə2y 2₮ NŜŎ2Y Y ŜyŘI·ə2yű 2y tK2ű2 L5 I·yŘ LJ2LJdzfI·ə2y I·ăăŜăăY Ŝyű Σ ØŜăăŜf úNI· Ŷ ŎΣ I·yŘ aI·NλyŜ aI·Y Y I·f hōăŜNØŜNă ó a a húT ŰKŜè KI·ØŜ ă2Y ŜØKI·ű f2ØŜN Ŏ2yŬŘŜyŎŜ λy λY LJfŜY Ŝyű I·ə2y 2₮ NŜŎ2Y Y ŜyŘI·ə2yű 2y y2λăŜΣ ăŜλăY λÔ ădzNØŜèăΣ I·yŘ ŜyØλN2yY Ŝyű I·f Y 2yλű2NλyƎ¢ hy Ŏ2yŎŜNyű I·ō2dzű ŦŜŜŘλyƎ ŜŎ2f2Ǝè Σ űKŜ tI·yŜf KI·ă Y I·ŘŜ ăŜØŜNI·f NŜŎ2Y Y ŜyŘI·ə2yű ØKλÔK KI·ØŜ y2ű èŜű ōŜŜy implemented by SakhaIE000301015D017501Er

{ůŀ·ʅŜK2ŦŘŜ№ă ŜÈLJ№Ŝăă ŜŘ Ŏ2yÕŜ№ʏ ůKŀ·ű ůKŜ Ř№2LJ ʎʏ ōdzŘƎŜůă Ŧ2№ ůKŜ ² D ² ! t ŀ·yŘ ůKŜ W2ʎyű t№2Ǝ№ŀ·YʏŶŜ ăʎyÕŜ нлмп Yʏŀ·è dzyŘŜ№ʏʎyŜ ůKŜ ŀ·ōʎfʎůè 2Ŧ ůKŜ ² D ² ! t ű2 Ŏ2yəyűzŜ ű2 Yʏ·ʅŜ ăŎʎŜyəŬŎŀ·ffè ă2dzyŘ №ŜÕ2ʏʏŜyŘŀ·əƨyã . dzŘƎŜůă Ŧ2№ ůKŜ ² D ² ! t ŀ·yŘ W2ʎyű t№2Ǝ№ŀ·YʏŶŜ ŀ·№Ŝ yƨű №ŜƎdzfŀ·№fè №ŜØʎŜøŜŘ ōè ŀ·ff ăůŀ·ʅŜK2ŦŘŜ№ăΣ ʎyÕ№Ŝŀ·ăʎyƎ ůKŜ №ʎă ʅ ůKŀ·ű ŀ·ű ŀ· ÔŜ№ůŀ·ʎʏLJ2ʎyű ůKŜ ² D ² ! t ǿʎff yƨ f2yƎŜ№ Ŧdzfŭf ůKŜ Ŧdzyŏəƨʏ2Ŧ LJ№2ØʎŘʎyƎ ŀ·ŘØʎÔŜ ű2 YʎyʎYʎÎŜ Ŏ2YʅJŀ·yè ʎYʅJŀ·Ôű ŀ·yŘ Ŏŀ·dzăʎyƎ {ŀ·ʅKŀ·fʎʏ9yŜ№Ǝè ű2 yƨ f2yƎŜ№ ōŜ ʎyˆÕ2YʅJfʎŀ·yÕŜ ǿʎůK ʎůă I {9{ ! tΣ ǿKʎÖK dzyŘŜ№LJʎyã ůKŜ f2ŀ·yʅŀ·Ǝ№ŜŜYŜyűǿ

[ŜƎŀ·Ŏè ŀ·yŘ ʟYʅJŀ·Ŏű ς ¢2 ǿKŀ·ű ŜÈűŜyű ŀ·№Ŝ ůKŜ tŀ·yŜfΩă 2dzűLJdzűă fŜŀ·ŘʎyƎ ű2 ůKŜ ʎyűŜyŘŜŘ 2dzűÕ2YˆŜăK

hØŜ№ŀ·ffΣ ůKŜ ² D ² ! t Kŀ·ă Kŀ·Ř ŀ· ăʎƎyʎŬŎŀ·yű ŀ·yŘ LJ2ăʎəØŜ ʎYʅJŀ·Ôű 2yˆÕ2yãŜ№Øŀŀəƨʏ2Ŧ ² ŜăűŜ№yˆD№ŀ·è ² Kŀ·fŜă ŀ ŀ·Ř ůKŜ ² D ² ! t yƨű ŜÈʎăűŜŘΣ fŜää ŀ·ğŜyəƨʏ ǿ2dzfŘ Kŀ·ØŜ ōŜŜyˆLJŀ·ʎŘ ű2 YʎyʎYʎÎʎyƎ ʎYʅJŀ·Ôűă 2yˆ ² ŜăűŜ№yˆD№ŀ·è ² Kŀ·fŜă ó$ƎΣ ŀ· LJʎLJŜfʎyŜ ůK№2dzƎK ůKŜ ŦŜŜŘʎyƎ Ǝ№2dzyŘă 2№ ŀ· ůK№ŘΣ 2ũăK2№Ŝ LJfŀ·ù2№YűŦ

- ! ŘØʎăʎyƎ ŀ·ƎŀŀʎyƎű Ŏ2yƎű№dzŎəƨʏ2Ŧ ʎyF№ŀ·ăű№dzŎűdz№Ŝ ůKŀ·ű LJ2ăŜ KʎƎK №ʎăʅă ű2 ² ŜăűŜ№yˆD№ŀ·è ² Kŀ·fŜă ó$ƎΣ ŀ· LJʎLJŜfʎyŜ ůK№2dzƎK ůKŜ ŦŜŜŘʎyƎ Ǝ№2dzyŘă 2№ ŀ· ůK№ŘΣ 2ũăK2№Ŝ LJfŀ·ù2№YűŦ
- LYˆLJ№2ØʎyƎ Yˆ2yűű2№ʎyƎ 2Ŧ ² ŜăűŜ№yˆD№ŀ·è ² Kŀ·fŜăŦ
- wŜŘdzŎʎyƎ ůKŜ ʎYˆLJŀ·Ôű 2Ŧ KʎƎK №ʎăʅ 2LJŜ№ŀ·əƨyã ădzŎK ŀ·ă ăŜʎăYˆʎÕ ădz№ØŜèä 2yˆ ² ŜăűŜ№yˆD№ŀ·è ² Kŀ·fŜă ůK№2dzƎK ʎYˆLJ№2ØŜYˆŜyű 2Ŧ a a tăŦ ŀ·yŘ
- LYˆLJ№2ØʎyƎ ůKŜ dzyŘŜ№ăűŀ·yŘʎyƎ 2Ŧ ² ŜăűŜ№yˆD№ŀ·è ² Kŀ·fŜ LJ2LJdzfŀ·əƨyˆŘèyŀ·YʎŎă$

9yƎŀ·ƎŜYˆŜyű ʎyˆůKŜ ² D ² ! t Kŀ·ă LJ№2ØʎŘŜŘ yƨűŀ·ōfŜ ŀ·yŘ ʎYˆLJ№ŜăăʎØŜ ōŜySŬűă ű2 {ŀ·ʅKŀ·fʎʏ9yŜ№Ǝè№ă №ŜLJdzűŀ·əƨy$!yƨűKŜ№ fŜƎŀ·Ôè 2Ŧ ůKŜ ² D ² ! t ăă ʎyŎ№Ŝŀ·ăŜŘ ű№dzăű ōŜűØŜŜyˆůKŜ Ŏ2YˆLJŀ·yèΣ ʎyŘŜLJŜyŘŜyű ăŎʎŜyəăűăΣ ŀ·yŘ Ŏ2yƨŜ№Øŀŀəƨʏ bDhă$ ¢Kʎă ű№dzăű Kŀ·ă ăf2Øfè ōŜŜyˆōdzʎfű 2ØŜ№ ůKŜ èŜŀ·№ăΣ ŀ·yŘ Kŀ·ă Kŀ·Ř Yˆŀ·yè ăŜűōŀ·Ŏʅă$ b2yŜűKŜfŜăăΣ ű№dzăű ăă ŘʎŶŎdzfű ű2 Ŝŀ·№yˆōdzű Ŝŀ·ăè ű2 ăljdzŀ·yŘŜ№$!fűK2dzƎK ʎyŎ№Ŝŀ·ăŜŘ ű№dzăű ăă 2yŜ 2Ŧ ůKŜ fŜƎŀ·ÔʎŜă 2Ŧ ůKŜ ² D ² ! t LJ№2ŎŜăăΣ ŀ· Ŧŀ·fűŜ№ʎyƎ ʎyˆŜʎűKŜ№ ůKŜ LJ№2ŎŜää 2№ {ŀ·ʅKŀ·fʎʏ9yŜ№Ǝè№ă ʎYˆLJfŜYˆŜyűŀ·əƨyˆ2Ŧ ² D ² ! t №ŜÕ2YˆYˆŜyŘŀ·əƨyã Ŏ2dzfŘ Ŏŀ·dzăŜ ŀ· ljdzʎŎʅ reversion to distrust.

wŜØʎŜø 2Ŧ {ŀ·ʅKŀ·fʎʏ9yŜ№Ǝè ŀ·yŘ 9b[LJ№ŀ·ŎəŎŜă ăK2ø ůKŀ·ű {ŀ·ʅKŀ·fʎʏ9yŜ№Ǝè№ă ŜyƎŀ·ƎŜYˆŜyű ǿʎűK ůKŜ ² D ² ! t Kŀ·ă fŜŘ ű2 YˆŹ№Ŝ LJ№2ůŜÕəØŜ Ŏ2YˆLJŀ·yè ōŜKŀ·Ø$2dzN Ŧ2№ ² ŜăűŜ№yˆD№ŀ·è ² Kŀ·fŜă ǿʎűK №ŜƎŀ·№Ř㠱ű2 ăŜʎăYˆʎÕ ŜÈŎfdzăʎ2yˆÎ2yŜă ŀ·yŘ ʎyŘŜLJŜyŘŜyű №ŜØʎŜø 2Ŧ a a tă Ŧ2№ ʎyF№ŀ·ăű№dzÔűdz№Ŝ Ŏ2yƨű№dzÔəƨʏ·ŎəØʎəŝă$ 9b[ΩăŘŜÕʎăʎ2yˆű2 yƨű Ŧ2№Yˆŀffè LJŀ·№əÔʎLJŀ·ůŜ ʎyˆůKŜ ² D ² ! t YˆŜŀ·yã ůKŀ·ű 9b[ς ʎyˆŎ2YˆLJŀ·№ă2yˆű2 {ŀ·ʅKŀ·fʎʏ9yŜ№Ǝè ς Ŧŀ·ʎfŜŘ ű2 №ŜÕŜʎØŜ №ŜLJdzűŀ·əƨyl·f ōŜySŬűăΣ ŀ· KʎƎKŜ№ fŜØŜf 2Ŧ ú№dzăűΣ 2№ ʎyŘŜLJŜyŘŜyű ØŜ№ʎŬŎŀ·əƨyˆ2Ŧ LJ№ŀ·ŎəÔŜă ű2 YˆʎyʎYˆʎÎŜ ʎYˆLJŀ·Ôűă 2yˆ ² ŜăűŜ№yˆD№ŀ·è ² Kŀ·fŜă$

¢KŜ ² D ² ! t ăK2øŜŘ ůKŀ·ű ŀ·yˆLyŘŜLJŜyŘŜyű {ÕʎŜyəŬŎ ! ŘØʎă2№è tŀ·yŜf Ŏŀ·yˆ

- LyŎ№Ŝŀ·ăŜ ú№dzăű ŀ·Yˆ2yƎ ăűŀ·ʅŜK2ŦŘŜ№ăŦ
- 5ŜfʎØŜ№ №ŜLJdzűŀ·əƨyl·f ōŜySŬűă ű2 LJŀ·№əÔʎLJŀ·əyƎ Ŏ2YˆLJŀ·yʎŜăŦ
- LyƀdzŜyŎŜ 2ůKŜ№ ăűŀ·ʅŜK2ŦŘŜ№ă ǿK2 Ř2 yƨű ŜÈLJfʎÔʎűfè ůŀ·ʅŜ LJŀ·№ůŦ
- LyƀdzŜyŎŜ ʎyŘdzăú№è LJN№ŀ·ŎəÔŜ ůK№2dzƎK LJdzōfʎÔʎŀ·əƨyã ŀ·yŘ LJdzōfʎÔʎůè$

LyŘŜLJŜyŘŜyŎŜ ς ¢2 ǿKŀ·ű ŜÈűŜyű ʎă ůKŜ ² D ² ! tΩă ʎyŘŜLJŜyŘŜyŎŜ Yˆŀ·ʎyűŀ·ʎyŜŘK

LJNƵØ↑ŘŜŘ ōè {l·ʅKl·fλy˝9yŜNƎèƵ 2N ůKŜ LJl·dzŎ↑ůè 2ŦλyŦ2NYl·ə2y˝LJNƵØ↑ŘŜŘ ōè 2ůKŜN Ŏ2YLJl·y↑Ŝă¢ ¢KŜ fŜØŜf 2Ŧ ljdzl·f↑ůèƵ λyűŜƎN↑úèƵ l·yŘ Ŏ2YLJfŜűŜyŜää 2Ŧ Řl·úl· l·ũŜŎúă ůKŜ Ŏ2yŬŘŜyŎŜ 2Ŧ ăúl·ʅŜK2fŘŜNä λy˝ůKŜ λyŘŜLJŜyŘŜyŎŜ 2Ŧ ůKŜ ² D ² ! tűă Ř↑ăÕdzăă↑2yã l·yŘ NŜŎ2YYˆŜyŘl·ə2yã¢

¢KŜ CdzűdzNŜ 2Ŧ ůKŜ ² D ² ! t

a2ăű ăűl·ʅŜK2fŘŜNä ōŜf↑ŜØŜ ůKl·ű ůKŜ tl·yŜf ăK2dzfŘ Ŏ2yəyűzŜ l·ĐŜN ůKŜ ŎdzNNŜyű ¢hw ŜÈLJ↑NŜ λy˝н ═ ā ' Dű a2

a2Ŭ ŜN ű. l´ ăəyŜf ăK2 ų ă

a2Ŭ ű a2Ŭ ű ăűD M Ą (ĐŜyű ʟ ' D ² ! t

a2Ŭ ű ăÔ a2Ŭ ű ă (

a2Ŭ ű ă5 a2Ŭ ű ă (

a2Ŭ ű ă5 a2ŭ ņ ű ă (

7. ¢ĸŜ ² D ² ! tΣ Ł ¦ / bΣ l·yŘ {l·ʅĸKl·fλy˝9yŜ№∃è ăĸ2dzfŘ λyÕ№Ŝl·ăŝ ΰĸŜλ№ ƨ2λyΰ ŜyƎl·∃ŜY˝Ŝyΰ 2ŦΰĸŜ wdzăăλl·y˝ ∃2ØŜ№yY˝Ŝyΰ λy˝ ² D ² ! t λyλəl·əØŜăΣ ōdzλfŘλyƎ №Ŝfl·ə2yãĸλLJă l·yŘ dzyŘŜ№ăΰl·yŘλyƎ ølΰĸλy˝№ŜfŜØl·yΰ wdzăăλl·y˝ ∃2ØŜ№yY˝Ŝyΰ l·∃SyÕλŜă l·ō2dzΰ ΰĸŜ Øl·fdzŜ 2Ŧ ΰĸŜ ² D ² ! t₱

8. ¢ĸŜ ² D ² ! tΣ Ł ¦ / bΣ {l·ʅĸKl·fλy˝9yŜ№∃èΣ l·yŘ fŜyŘŜ№ă ăĸ2dztŘ №ŜØλŜø ōdzŘ∃ŜΰăŦ2№ ō2ΰĸK ΰĸŜ ² D ² ! t l·yŘ ΰĸŜ W2λyΰ t№2∃№l·Y˝Y˝ŜΣ ΰ2 Ŝyãdz№Ŝ ΰĸKl·ΰ ŦdzyŘλy∃ l·ff2Õl·ΰŜŘ ΰ2 ² ŜăΰŜ№y˝D№l·è ² ĸl·fŜ Õ2yãŜ№ØÍl·ə2y˝λăădzŜă λă l·ŘŜIjdzl·ΰŜ ΰ2 Y˝ŜŜΰ ΰĸŜ №ŜIjdzλ№ŜY˝Ŝyΰă 2Ŧ {l·ʅĸKl·fλy˝9yŜ№∃è₪ă l {9{ ! t₱

9. [ŜyŘŜ№ăΣ λy˝l·ŘŘλə2y˝ΰ2 tŜyŘŜ№ Õ2yãdzfΰl·yΰăΣ ăĸ2dzfŘ ŜyƎl·∃Ŝ Y˝2№Ŝ №Ŝ∃dzfl·№fè l·yŘ l·ÕəØŜfè λy˝ ² D ² ! t LJ№2ÕŜŜŘλy∃ă λy˝2№ŘŜ№ ΰ2 Ŝyãdz№Ŝ ΰĸKl·ΰ ² D ² ! t №ŜÕ2Y˝Y˝ŜyŘl·ə2yã l·№Ŝ λY˝LJfŜY˝ŜyΰŜŘ l·yŘ ΰ2 Ŝyãdz№Ŝ compliance with lender and IFC social and environmental standards.

10. ¢ĸŜ ² D ² ! tΣ ΰ2∃ŜΰĸŜ№ øλΰĸK l·ff ăΰl·ʅŜĸ2fŘŜ№ăΣ ăĸ2dzfŘ №ŜØλŜø ăÕŜyl·№λ2ă λy˝ΰĸŜ №ŜLJ2№Ωΰ Ŧ2№ Õ2yəyΰzl·ə2y˝ l·yŘĸ2№ Ω№l·yãŦ2№Y˝l·ə2y˝2Ŧ ΰĸŜ ² D ² ! t l·ĐŜ№ нлнмф C2ff2øλyƎ №ŜØλŜøΣ ΰĸŜ ² D ² ! t l·yŘ Ł ¦ / b ăĸ2dzfŘ ΰl·ʅŜ ăΰŜLJă ΰ2 ŜÈLJf2№Ŝ LJ2ΰŜyəl·f 2LJə2yãΣ λyÕfdzŘλyƎΣ ōdzΰ y2ΰ fλY˝λΰŜŘ ΰ2Σ Ω№l·yãŦ2№Y˝λyƎ ΰĸŜ ² D ² ! t λyΰ2 l· №l·yƎŜπ øλŘŜ λyλəl·əØŜφ

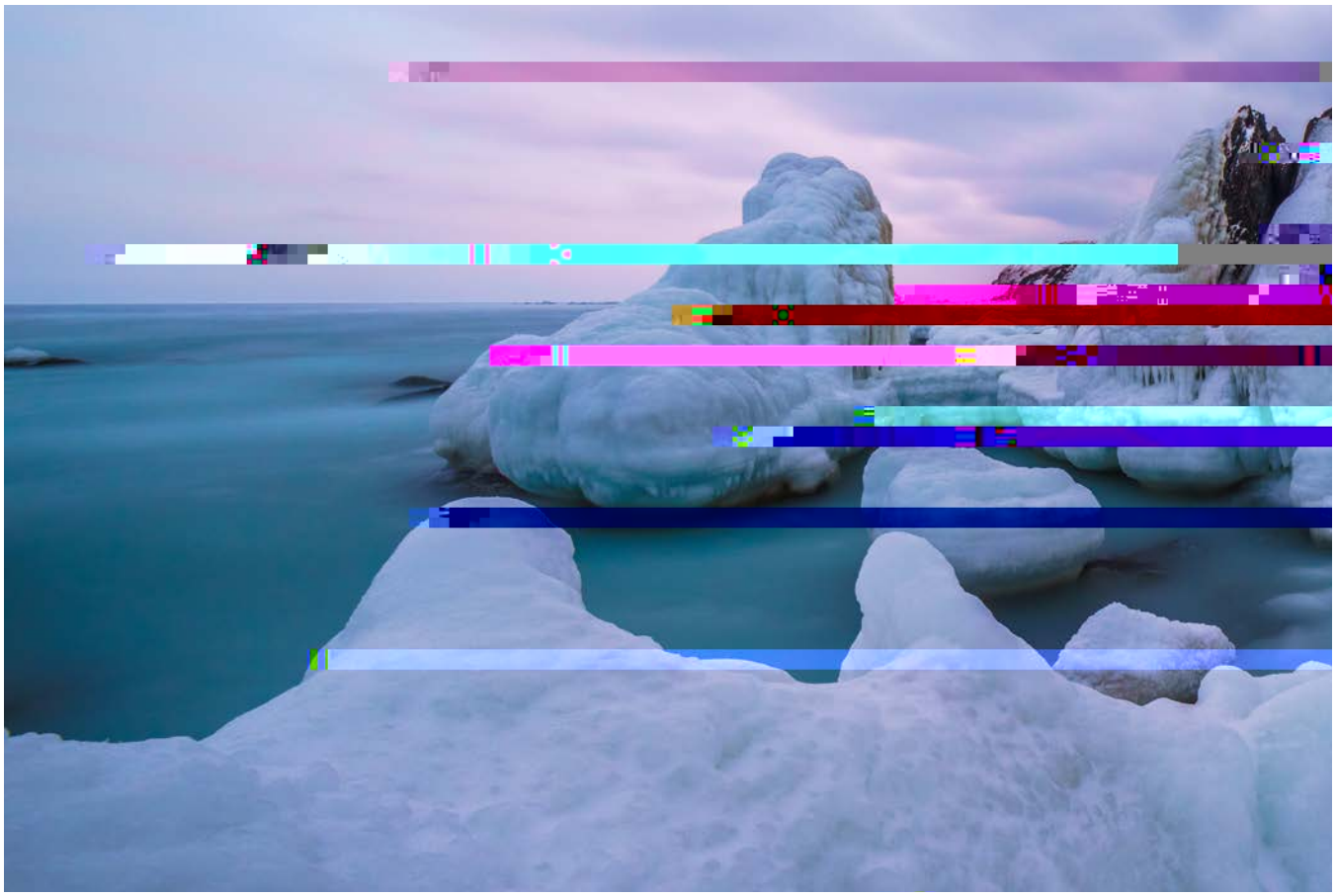


Photo by Gribov Andrei Aleksandrovich

The WGWAP is managed by IUCN as an independent advisory body of scientists. The overall goal of the WGWAP is to provide objective independent advice on the conservation of western gray whales with a focus on those that feed off Sakhalin (hereafter WGWs).[7]

¢ĶŜ ¢hw fłăű mo ăĽJŜŎłŬŎ ƨōʔŜŎəØŜăΣ ĽJŃłyŎłĽJI·f ƨŦ øĶłŎK łă úĶI·ű ² D ² ! t ΥˆŜΥˆōŜŃă I·ŃŜΥ

l·ō2ʤúˇ [ŜƎl·Ŏè l·yŘ LYˇLJl·ŎúΣ ʎú ʎă yŜŎŜăăl·₦è ű2 Yˇ2ØŜ ōl·Ŏ] ŦI·₦ŭKŜ₦ ʎyˇəYˇŜ űKl·yˇűKʎă ŭK₦ŜŜπèŜl·₦ LJŜ₦ʎ2Ř ű2 Ŏl·LJűʤ₦Ŝ ű₦ŜyŘă l·yŘ ŘŜØŜf2LJYˇŜyűă ŭKl·ú l·₦Ŝ ʎYˇLJ2₦ŭl·yű ű2 ŭKŜ fŜƎl·Ŏè l·yŘ Ŧʤúʤzŵ 2Ŧ ŭKŜ t l·yŜf℗ ! fă2Σ ăʎyŎŜ ŭKʎă ŜØl·fʤzl·ə2yˇ LJŜ₦ʎ2Ř ăŭ₦l·ŘŘfŜă ű ø2 ăŜűă 2Ŧ ¢hw óнлмнπнлмс l·yŘ нлмтπнлнмúΣ ō2ŭK ¢hw l·₦Ŝ ₦ŜfŜØl·yű℗

¢Kʎă ŜØl·fʤzl·ə2yˇʎă ŘŜăʎƎyŜŘ ű2 ₦ŜØʎŜø ŭKŜ ʎYˇLJl·Ŏű l·yŘ ŜũŜŎəØŜySyˆŜăă 2Ŧ ŭKŜ ² D ² ! t℗ !ĐŜ₦ мп ëŜl·₦ăΣ fŜăă2yã fŜl·₦ySŘ Ŧ₦2Yˇ ŭKʎă ŜÈLJŜ₦ʎŜyŎŜ Ŏl·yˇōŜ dzăŜŦʤf Ŧ2₦ ăʎYˇʎŧl·₦ Ŝũ2₦úă l·₦2ʤzyŘ ŭKŜ ø2₦ŧŘ ű2 Ŏ₦Ŝl·úŜ l·yŘ Yˇl·yl·ƎŜ LyŘŜLJŜyŘŜyű {ŎʎŜyəŬŎ l·yŘ ¢ŜŎKyʎŎl·f !ŘØʎă2₦è tl·yŜf ól·{¢! tú Ŝũ2₦úă℗

{LJŜŎʎŬŎ hō¿ŜŎəØŜă ʎyˇúKŜ 9Øl·fʤzl·ə2yˇ¢hw l·₦Ŝ ŭKŜ Ŧ2ff2øʎyƎY

1. ¢2 l·ăăŜăă ŭKŜ Ŏ2yəyʤzŜŘ ₦ŜfŜØl·yŎŜ 2Ŧ ŭKŜ ² D ² ! t LJ₦2ŎŜăăT
2. ¢2 l·ăăŜăă ŭKŜ ŜũŜŎəØŜySyˆŜăă 2Ŧ ŭKŜ ₦ŜădzfűăŜ 2Ŧ ŭKŜ ² D ² ! t LJ₦2ŎŜăă ʎyˇ₦ŜfI·ə2yˇű2 ŜI·ŎK 2Ŧ ŭKŜ ăűl·úŜŘ ₦2fŜă l·yŘ ₦ŜăLJ2yãʎōʎfʎəŜăT
3. ¢2 l·ăăŜăă ŭKŜ Ŏ2ăű ŜũŜŎəØŜySyˆŜăă 2Ŧ ŭKŜ ² D ² ! t LJ₦2ŎŜăă ʎyˇ₦ŜfI·ə2yˇű2 ŭKŜ ₦ŜăʤfűăŜ l·ŎKʎŜØŜŘT
4. ¢2 l·ăăŜăă ŭKŜ ʎybʤzSyŎŜΣ l·yŘ ʎŦ LJ2ăăʎōfŜΣ ŭKŜ ʎYˇLJl·Ŏű l·yŘ fŜƎl·Ŏè 2Ŧ ŭKŜ ² D ² ! t LJ₦2ŎŜăăT
5. ¢2 l·ăăŜăă ŭKŜ ŦʤzyŎə2yʎyƎ l·yŘ ʎyŘŜLJŜyŘŜyŎŜ 2Ŧ ŭKŜ t l·yŜf l·yŘ ŭKŜ l·ŘŜljʤzl·Ŏè 2Ŧ ăʤzLJLJ2₦ű LJ₦2ØʎŘŜŘ ű2 ʎű ōè L¦ / b℗T
6. ¢2 l·ăăŜăă ŭKŜ ljʤzl·fʎűè 2Ŧ ŭKŜ 2ØŜ₦l·ff LJ₦2¿ŜŎűκLJ₦2ŎŜăă℗

¢KŜ]Ŝè ŜØl·fʤzl·ə2yˇljʤzŜăə2yã l·₦ŜY

1. wŜfŜØl·yŎŜ ç ¢2 øKl·ú ŜÈűŜyű l·₦Ŝ úKŜ tl·yŜfűă l·yŘ Ŏ2YˇLJl·yè℡ l·ŎəØʎəŜă ₦ŜfŜØl·yű ű2 ŭKŜ ¢KŜ2₦è 2Ŧ /Kl·yƎŜK
2. 9ũŜŎəØŜySyŜăă ç ¢2 øKl·ú ŜÈűŜyű l·₦Ŝ ŭKŜ tl·yŜf℡ă 2dzűLJdzűă fŜl·ŘʎyƎ ű2 ŭKŜ ʎyűŜyŘŜŘ 2dzúŎ2YˇŜăK

ØŜ№ƛŬŎӀ·ə2y₱ hʤźŎ2ϒŜ ӀӀ·№ØŜăəyƎ ƛă ŘŜăƛƎyŜŘ ű2 ŘŜӀ·f ǿƛűK űKŜăŜ ƛăăʤzŜăΣ ŜăLJŜŎƛӀ·ffè ƛy˙Ŏ2ϒLJfŜÈ LJ№2Ǝ№Ӏ·ϒϒŜă℗ ² KƛfŜ űKŜ ŜØӀ·fʤzӀ·ə2y˙ŘƛŘ yƵű KӀ·ØŜ űKŜ №Ŝă2ʤz№ŎŜă ű2 Ř2 Ӏ· Ŧdzfŧ hʤźŎ2ϒŜ ӀӀ·№ØŜăúΣ ǿŜ ƛŘŜyəŬŜŘ ăƛÈ LJ2ăăƛōfŜ ⌊Ŝè 2ʤźŎ2ϒŜă ƛŘŜyəŬŜŘ ōè №ŜăLJ2yŘŜyűă №ŜfӀ·ŰŜŘ ű2 ʤzLJűӀ·⌊Ŝ 2Ŧ №ŜŎ2ϒϒŜyŘӀ·ə2yã 2№ 2ŭKŜ№ ƛyŘƛŎӀ·ə2yã 2Ŧ fŜƎӀ·Ŏè℗ ² Ŝ ű№ƛӀ·yƎdzfӀ·ŰŜŘ űKŜăŜ 2ʤźŎ2ϒŜă ǿƛűK ⌊Ŝè №ŜăLJ2yŘŜyűă ű2 ăŜŜ ƛŦ №Ŝădzfűă ǿŜ№Ŝ ØӀ·fƛŘΣ Ӏ·yŘ ǿKӀ·ú ăű№Ӏ·ŰŜƎƛŜă űKŜè Ŏ2ʤzfŘ ōŜ ű№Ӏ·ŎŘ⌊ŜŘ ōӀ·Ŏ⌊ ű2℗ ¢2 ăű№ʤzŎűʤz№Ŝ űKƛă LJ№2ŎŜăă ǿŜ ʤzăŜŘ Ӏ·y˙hʤźŎ2ϒŜ ӀӀ·№ØŜăəyƎ ű Ӏ·ōfŜ℗

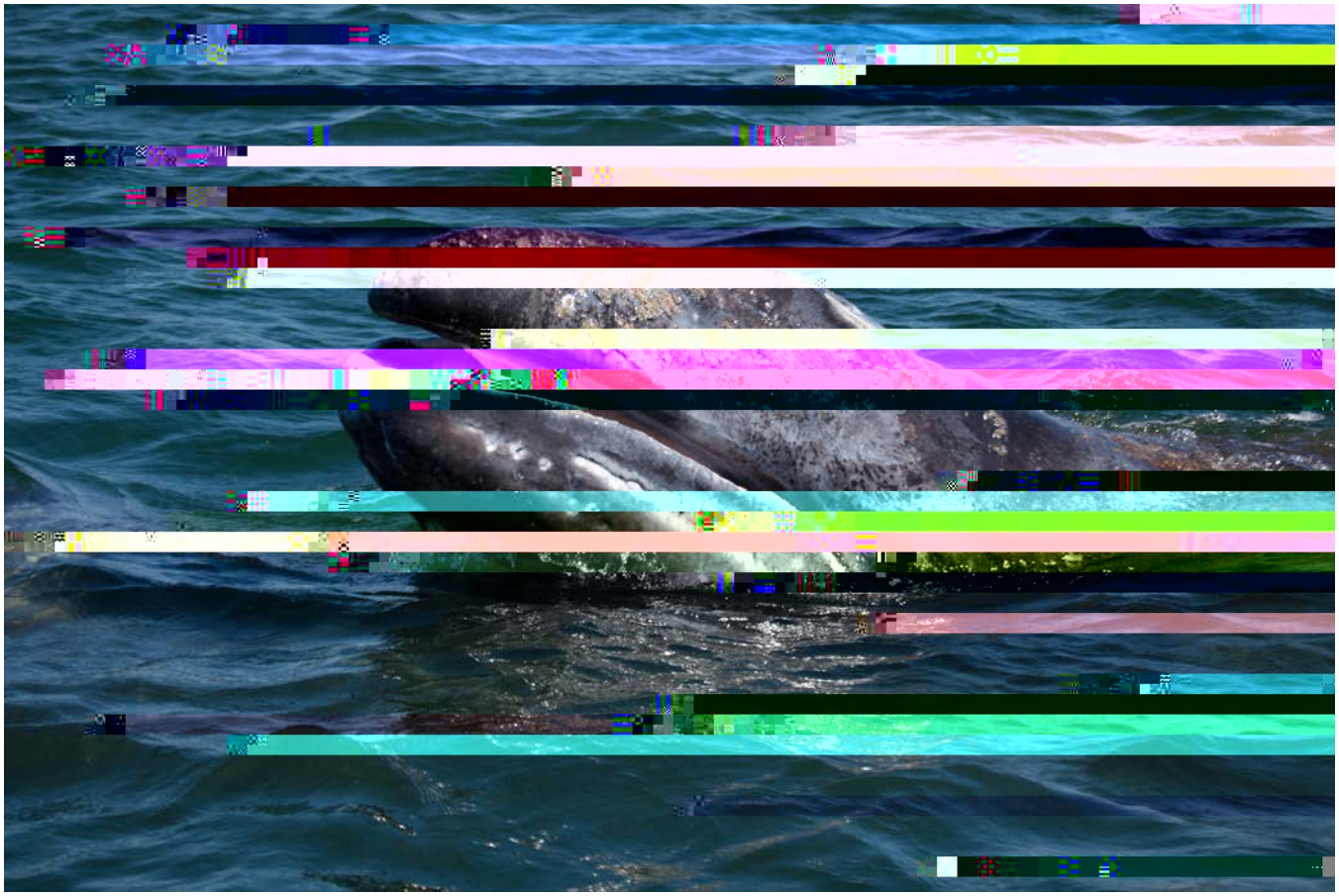


Photo by Mogens Trolle

wŜfŜØl·yŎŜ 2₮ űKŜ ² D ² ! t

¢Kλă ăŜŎə2y˝2₮ űKŜ ŜØl·fʤl·ə2y˝l·ŘŘ₪ŜăăŜă űKŜ ŜÈúŜyű ű2 øKλŎK űKŜ tl·yŜf₪ă l·yŘ Ŏ2Y˝LJl·yè₪ă l·ŎəØλəŜă l·₪Ŝ ₪ŜfŜØl·yű ű2 űKŜ Ŏ2yăŜ₪Øl·ə2y˝l·yŘ LJ2LJʤfl·ə2y˝₪ŜŎ2ØŜ₪è 2₮ ² ŜăúŜ₪y˝D₪l·è ² Kl·fŜă¢

{dzNØŜè NŜăLJ2yŘŜyúă I·fă2 ōŜfλŜØŜ úKI·ú ² D ² ! t λă λY´LJfŜY´Ŝy´əyƎ úKλă ¢KŜ2Nè 2Ŧ /KI·yƎŜΣ I·ú fŜI·ăú øλúK NŜƎI·NŘă ú2 ² ŜăúŜNy´DNJI·è ² KI·fŜă 2ØŜNJI·ffΣ I·yŘ úKŜ ăLJŜŎλŬŎ λY´LJI·Ŏúă 2Ŧ {I·ʅKI·fλy´9yŜNƎè wŜăLJ2yŘŜyűă ăI·λŘ úKI·ú ² D ² ! t ŋă NŜŎ2Y´Y´ŜyŘI·ə2yã I·ŘŘNŜăă ŎNλəŎI·f λăădzŜă I·ũŜŎəyƎ Ŏ2yãŜNØI·ə2y´2Ŧ ² ŜăúŜNy´DNJI·è ² KI·fŜă óy¢oн I·ØŜNJI·ƎŜú[17] and úKI·ú úKŜ ² D ² ! t ŋă NŜŎ2Y´Y´ŜyŘI·ə2yã I·ŘŘNŜăă ŎNλəŎI·f λăădzŜă 2Ŧ úKŜ λY´LJI·Ŏű 2y´ ² ŜăúŜNy´DNJI·è ² KI·fŜă ŦN2Y {I·ʅKI·fλy´ 9yŜNƎè óy¢пн I·ØŜNJI·ƎŜú¢[18] b2ű1·ōfè NŜăLJ2yŘŜyűă ŘŜY´2yãúNJI·úŜŘ ăλƎyλŬŎI·yűfè fŜăă Ŏ2yŬŘŜyŎŜ úKI·ú ² D ² ! t I·ŘŘNŜăăŜă λY´LJI·ŎűăNJ 2y´ ² ŜăúŜNy´DNJI·è ² KI·fŜă ŦN2Y 2úKŜN 2λf I·yŘ ƎI·ă Ŏ2Y´LJI·yλŜă 2LJŜNJI·əyƎ 2ũ {I·ʅKI·fλy´óp¢pм I·ØŜNJI·ƎŜú[19] 2N λY´LJI·ŎűăNJ 2y´ ² ŜăúŜNy´DNJI·è ² KI·fŜă ŦN2Y 2úKŜN Ŏ2Y´Y´ŜNŎλI·f ăŜŎű2Nă óp¢лф I·ØŜNJI·ƎŜú¢[20] ² KλfŜ NŜăLJ2yãŜă ŦN2Y ăúI·ʅŜK2fŘŜN ƎN2dzLJă ØŜNŜ ŦI·λNfè dzyλŦ2NY I·ŎN2ăă úKŜăŜ IjdzŜăə2yãΣ úKŜ ăúI·yŘI·NŘ ŘŜØλI·ə2y´I·ŎN2ăă I·ff NŜăLJ2yãŜă ØI·ă ăλƎyλŬŎI·yűfè KλƎKŜN Ŧ2N úKŜ Ŭy1·f ű02 IjdzŜăə2y¢

hyŜ ØI·è 2Ŧ Ølădz1·ffè I·yI·fèăλyƎ úKŜ ¢KŜ2Nè 2Ŧ /KI·yƎŜ λă úKN2dzƎK I· f2ƎλŎ Y´2ŘŜf¢ CλƎdzNŜ м λffdzăúNJI·úŜă I· ăλY´LJfλŬŜŘ f2ƎλŎ Y´2ŘŜf λyKŜNŜyű λy´úKŜ ² D ² ! t ¢hw¢ ¢Kλă f2ƎλŎ Y´2ŘŜf ŘŜY´2yăúNJI·úŜă K2ø úKŜ ² D ² ! t I·yŘ 2úKŜN λyãəűdzə2yã Ŏ2yŎŜNyŜŘ øλúK ² ŜăúŜNy´DNJI·è ² KI·fŜă I·NŜ ŘŜăλƎyŜŘ ú2 λybdzŜyŎŜ I·ŎúN2Nă ú2 NŜŘdzŎŜ úKNŜI·úă ú2 úKŜ Ŏ2yãŜNØI·ə2y´ úI·NƎŜúΣ ² ŜăúŜNy´DNJI·è ² KI·fŜă¢ ¢KŜ ƎNŜŜy´02È NŜLJNŜăŜyűă úKŜ ƎŜ2ƎNJI·LJKλŎ ăŎ2LJŜΣ I·yŘ úKŜ ƎNŜŜy´ŎλNŎfŜ λă úKŜ Ŏ2yãŜNØI·ə2y´úI·NƎŜú¢ wŜŘ ō2ÈŜă NŜLJNŜăŜyű úKNŜI·úă ú2 úKŜ Ŏ2yãŜNØI·ə2y´úI·NƎŜúΣ I·yŘ úKŜ ōN2øy´02ÈŜă NŜLJNŜăŜyű ăŎλŜyəŬŎ λyIəI·əØŜă NŜfŜØI·yű ú2 úKŜ Ŏ2yãŜNØI·ə2y´úI·NƎŜú¢ hNI·yƎŜ ō2ÈŜă NŜLJNŜăŜyű I·ŎúN2Nă NŜfŜØI·yű ú2 úKŜ úKNŜI·úă¢ ¸Ŝff2ø KŜÈI·Ǝ2yã NŜLJNŜăŜyű ăúNJI·úŜƎλŜă I·yŘ LJN2ƎNJI·Y´Y´Ŝă NŜfŜØI·yű ú2 úKŜ I·ŎúN2NăΣ úKNŜI·úăΣ I·yŘ Ŏ2yãŜNØI·ə2y´úI·NƎŜú¢

CλƎdzNŜ м ăK2øă I·NN2øă ōI·ăŜŘ 2y´úKŜ KλăúN2NλŎI·f NŜŎ2NŘ 2Ŧ ² D ² ! tŋă I·ŎəØIəŜă¢ C2N ŜÈI·Y´LJfŜΣ ² D ² ! t NŜŎ2Y´Y´ŜyŘI·ə2yã KI·ØŜ ōŜŜy´I·ŘŘNŜăăŜŘ ú2 wdzăăλI·y´D2ØŜNyY´Ŝyű I·dzúK2NλəŜăΣ {I·ʅKI·fλy´9yŜNƎèΣ 9b[Σ I·yŘ w2ăyŜÐΣ

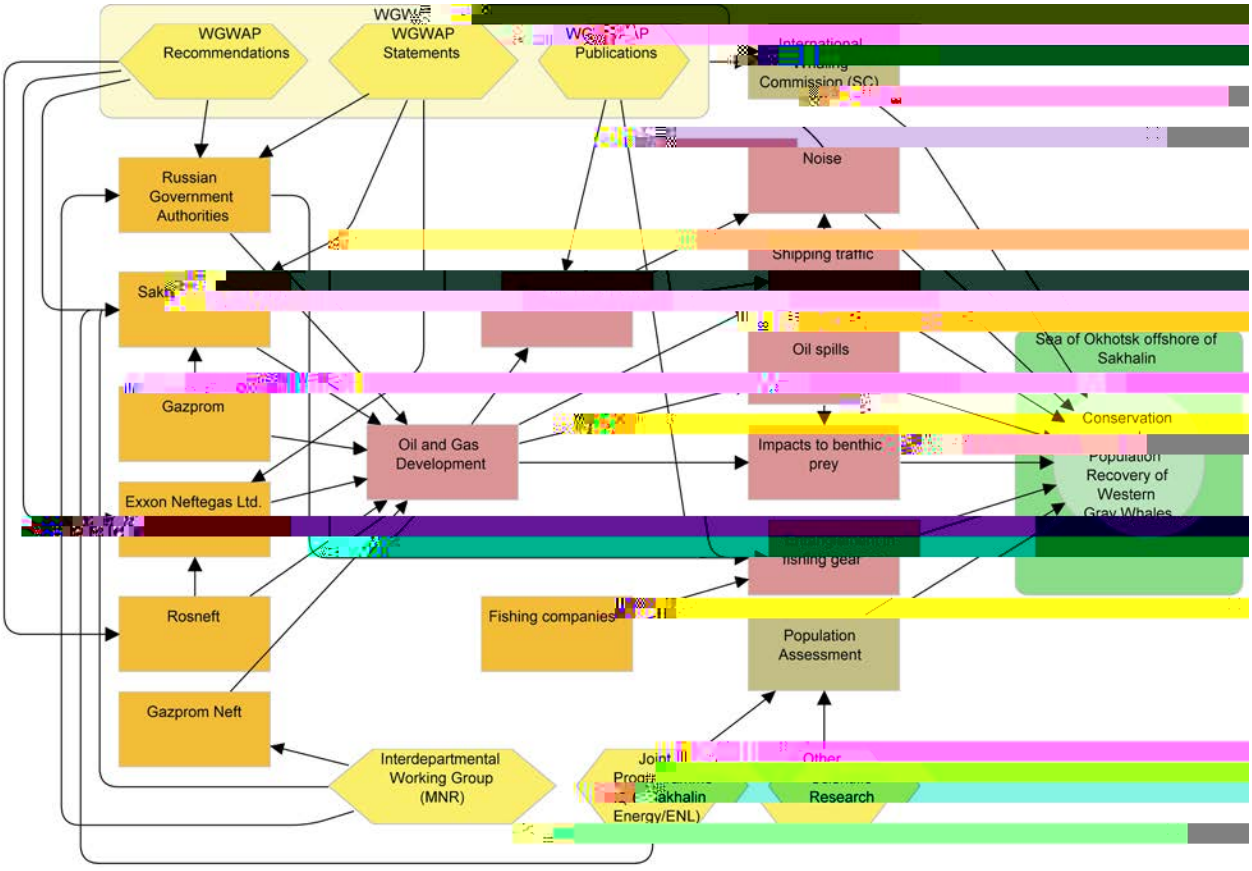


Figure 1. This diagram provides a simpli f ed logic model to illustrate how WGWAP and other strategies are designed to in f uence key actors o f of Sakhalin Island to reduce the threats to Western Gray Whales

[17] ¢ {dzNØŜè vdzŜăə2y´мн
[18] ¢ {dzNØŜè vdzŜăə2y´мотм
[19] ¢ {dzNØŜè vdzŜăə2y´мотн
[20] ¢ {dzNØŜè vdzŜăə2y´мото

ǑIˑffă ƛyűƨ ljʤŜăəƨy´ǿKŜűKŜℕ ² ŜăűŜℕy´DℕIˑè ² KIˑfŜă Iˑℕŝ Iˑ ƎŜySəǑIˑffè ŘƛăəyǑű ăʤzōLJƨLJʤzfIˑəƨy´ƨℕ Iˑ ŘƛăəyǑú ŦŜŜŘƛyƎ Iˑ∃∃ℕŜ∃Iˑəƨy℗²¹ ¢KŜ {ǑʎŜyəǓǑ /ƨY´Yˑƛğ$Ŝ 2ŦˑűKŜ L ² / ƛă Ǒƨyğ$ƛŘŜℕƛyƎ űKƛă ljʤŜăəƨy´űKℕƨ2ʤz∃K Iˑ ℕIˑyƎŜπǿʎŘŜ ℕŜǾʎŜǿ 2Ŧ bƨℕűK tIˑǑʎǓǑ DℕIˑè ² KIˑfŜă℗²² I ƨǿŜǾŜℕΣ yƨ ƛyűŜℕǾʎŜǿŜŜă ăʤz∃∃ŜăűŜŘ űKIˑű 2ʎf Ǒ2YˑLJIˑyê Yˑƛə∃Iˑəƨy´YˑŜIˑăʤzℕŜă ű2 LJℕƨűŜǑű úKŜăŜ DℕIˑè ² KIˑfŜă ăK2ʤzfŘ ōŜ Iˑyê ŘƛũŜℕŜyű ōIˑäŜŘ 2y´úKŜ Iˑyãǿŝℕ ű2 ûKƛă ljʤŜăəƨy℗ ! ă Iˑ ℕŜăʤzfűΣ ǿKƛfŜ ûKŜ ljʤŜăəƨy´ƛă ʤzyŘ2ʤzōűŜŘfè ƛYˑLJ2ℕűIˑyű ŦℕƨYˑ Iˑ ăǑʎŜyəǓǑ LJŜℕäLJŜǑəǾŜΣ ʎű Iˑ LJLJŜIˑℕă ű2 KIˑǾŜ fğfŜ ōŜIˑℕƛyƎ 2y´úKŜ ℕŜfŜØIˑyǑŜ 2Ŧ ûKŜ ² D ² ! t ű2 Ǒ2yãŜℕØIˑəƨy´IˑyŘ ℕŜǑ2ØŜℕè 2Ŧ ûKŜ YˑIˑℕƛyŜ YˑIˑYˑYˑIˑfă ûKIˑű ŦŜŜŘ 2ũăK2ℕŜ 2Ŧ {Iˑ⎤KIˑfƛyˑIˑyŘ ű2 minimizing the impacts from the oil and gas industry.

¢KŜ yʤzYˑōŜℕ 2Ŧ ǿKIˑfŜă ŦŜŜŘƛyƎ 2ũăK2ℕŜ 2Ŧ {Iˑ⎤KIˑfƛyˑ KIˑă Iˑfã2 ōŜŜyˑƛyǑℕŜIˑăƛyƎ℗ tIˑyŜf Ř2ǑʤzYˑŜyűă ℕŜLJ2ℕű úKIˑű áűKŜ LJ2LJʤzfIˑəƨy´ƛă ŠăəYˑIˑűŜŘ ű2 KIˑǾŜ ōŜŜyˑƛyǑℕŜIˑăƛyƎ Iˑű нπ℘ˆ˜ LJŜℕ èŜIˑℕ 2ǾŜℕ úKŜ fIˑăű мл èŜIˑℕäΣ ōʤzű ûKŜℕŜ KIˑă ōŜŜy´ăűIˑəăəǑIˑffè ăƛ∃yƛǓǑIˑyű bʤzǑűʤzIˑəƨy´ƛy´ℕŜLJℕ2ŘʤzǑəǾŜ ăʤzǑǑŜăă IˑyŘ KŜyǑŜ ƛy´LJ2LJʤzfIˑəƨy´∃ℕ2ǿűK¢é²³ vʤzIˑfƛúIˑəǾŜ ƛyűŜℕŜIˑăƛyƎ Iˑ ɔ ɔ MŜy´ă ═ ρƛY Ş Ŝ ŕ ə ₹ Ā

!ă I· NŜădztű 2ŦűKŜ KλƎK fŜØŜf 2Ŧ NλăĮ ű2 Y I·NλyŜ Y I·YY I·fă I·ăă2ŎλI·úŜŘ øλúK ăŜλăY'λŎ ădzNØŜèăΣ ² D ² ! t KI·ă ŎNŜI·úŜŘ I· b2łăŜ ¢I·ăĮ C2NŎŜ ób¢CúΣ øKλŎK YŜŜűă NŜƎdzfI·NfèΦ Ly'нлмтπмуΣ YŜY'ōŜNă 2Ŧ ² D ² ! tŒă b¢C łyØŜăúŜŘ ŜÈúŜyăλØŜ əYŜ łyű2 ø2NĮλyƎ øλúK {I·ĮKI·fŒy'9yŜNƎè 2y'I· a a t Ŧ2N {I·ĮKI·fŒy'9yŜNƎèŒă нлму ăŜλăY'λŎ ădzNØŜèăΦ wŜbŜŎəØŜ 2Ŧ űKŜ ² D ² ! tŒă Ŧ2Ŏdză 2y'y2łăŜ łăădzŜăΣ úKŜ b¢C KI·ă YŜű I·ú fŜI·ăű 2yŎŜ I· ècŜI·N ăłyŎŜ нллтT űKŜ b¢C YŜű ű ø λŎŜ ŜI·ŎK èŜI·N λy' 2016-17.

Oil spill preven t on and response. húKŜN ŎNλəŎI·f łăădzŜă NŜfI·úŜŘ ű2 2łf I·yŘ ƎI·ă ŘŜØŜf2LJY'Ŝyű λY'LJI·Ŏűă 2y' ² ŜăúŜNy' DNI·è ² KI·fŜă KI·ØŜ NŜŎŜλØŜŘ ŦI·N fŜăă I·ğŜyə2y'ŦN2Y úKŜ tI·yŜfΦ hłf ăLJłff NŜăLJ2yãŜ łăădzŜă KI·ØŜ NŜŎŜλØŜŘ I· Y'2ŘŜăű I·Y'2dzyű 2Ŧ Ŧ2Ŏdzăφ L¦ / b NŜúI·λyã I·y' ! ăă2ŎλI·úŜ {ŎλŜyəăű ű2 úKŜ tI·yŜf øK2 łă I· ălJŜŎλI·fłăű λy'2łf ălJłff NŜăLJ2yãŜΣ I·fúK2dzƎK KŜ łă y2 f2yƎŜN I· YŜY'ōŜN 2Ŧ úKŜ tI·yŜfΦ ! ŎŎ2NŘλyƎ ű2 ăúI·ĮŜK2fŘŜNăΣ {I·ĮKI·fły'9yŜNƎè NŜălJ2yŘŜŘ ŜũŜŎəØŜfè ű2 tI·yŜf łăădzŜă øλúK LJNŜLJI·NŜŘyŜää Ŧ2N 2łf ălJłff NŜălJ2yãŜΦ ! fúK2dzƎK úKŜ ² D ² ! t fłăűă I·y' hłf {LJłff ¢I·ăĮ C2NŎŜΣ łű KI·ă y2ű Y'Ŝű ăłyŎŜ нллуΦ I2øŜØŜNΣ úKŜ ² D ² ! t Ř2Ŝă y2ű KI·ØŜ I·yê ălJŜŎλI·fłăűă λy'2łf ălJłff *preven t on* and has not focused ăλƎyλŬŎI·yű I·ğŜyə2y'2y'úKŜ łăădzŜΦ {LJŜŎλI·fłăűă λy'úKłă I·NŜI· ç øKλŎK ø2dztŘ λyŎfdzŘŜ ŜÈLJŜNəăŜ λy'ŦI·Ŏλfłúè ŘŜăλƎyΣ I·ääŜű λyűŜƎNλúèΣ øŜff Ŏ2yűN2fΣ 2LJŜNI·ə2y1·f λyűŜƎNλúè I·yŘ LJN2ŎŜää ăI·ŦŜúè ç KI·ØŜ ă]łff ăŜűă úKI·ű I·NŜ ŘλũŜNSyű ŦN2Y' úK2ăŜ 2Ŧ øKI·fŜ ăŎλŜyəăűăΣ ă2 λű ø2dztŘ NŜIjdzλNŜ NŜŎNdzλəyƎ I·LJLJN2LJNλI·úŜ ălJŜŎλI·fłăűăφ ¢Kλă fI·Ŏ] 2Ŧ Ŧ2Ŏdză 2y'LJNŜØŜy2y'λă ădzNLJNλăλyƎΣ LJI·NəŎdzfI·NfèI·ä 2łf ălJłff LJNŜØŜy2y'λă ŎfŜI·NfèY'2NŜ ŜũŜŎəØŜ úKI·y'2łf ălJłff NŜălJ2yãŜφ ! fúK2dzƎK dzyfλ]Ŝfè I·ű I·yê ƎλØŜy'əY'ŜΣ I· fI·NƎŜπăŎI·fŜ 2łf ălJłff Ŏ2dztŘ ōŜΣ I·NƎdzI·ōfèΣ úKŜ ăλyƎfŜ KλƎKŜăű NλăĮ ű2 úKŜ ² ŜăúŜNy' DNI·è ² KI·fŜ LJ2LJdzfI·ə2yΦ {dzŎK I· ălJłff ø2dztŘ ōŜ I· ćōfI·ŎĮ ăø I·y€ ŜØŜyűΣ èŜű úKŜ fλ]Ŝfè λY'LJI·Ŏű 2Ŧ ădzŎK I· ălJłff Y I·]Ŝă λű ădzNLJNλăλyƎ úKI·ű úKŜ tI·yŜf KI·ă y2ű Ŧ2ŎdzăŜŘ Y'2NŜ I·ğŜyə2y'2y'2łf ălJłff LJNŜØŜy2yΦ

Shipping tra f c. ¢KŜ ² D ² ! t KI·ă I·fă2 Ŧ2ŎdzăŜŘ I· Y'2ŘŜăű I·Y'2dzyű 2Ŧ I·ğŜyə2y'2y'NλăĮă ŦN2Y' ăKλLJLJλyƎ úNI·ŶŎΣ øKλŎK λă fλ]Ŝfè Ŏ2YY'ŜyădzNI·úŜ øλúK úKŜ ŎdzNNŜyű LJŜNŎŜLJə2y'2Ŧ I· NŜfI·əØŜfè f2ø NλăĮ 2Ŧ ăKλLJ ăúNλ]Ŝă λy'úKŜ I·NŜI·φ

Feeding ecology. ¢KŜ ² D ² ! t KI·ă y2ű ōŜŜy'I·ōfŜ ű2 Ŧ2ŎdzăI·ŘŜIjdzI·úŜ I·ğŜyə2y'2y'NλăĮă ű2 úKŜ ŦŜŜŘλyƎ ŜŎ2f2Ǝè 2Ŧ ² ŜăúŜNy' DNI·è ² KI·fŜăΣ ŘŜăLJλúŜ Ŝũ2Nűă 2Ŧ ă2YŜ tI·yŜfłăűă ű2 Ŧ2Ŏdză 2y'úKλă λăădzŜφ adzfəLJfŜ ăűI·]ŜK2fŘŜNă ăűI·úŜŘ úKI·ú Ŧ22Ř ŜŎ2f2Ǝè 2Ŧ ² ŜăúŜNy' DNI·è ² KI·fŜă NŜY'I·łyã LJ22NfèdzyŘŜNăű22ŘΣ øKλŎK YI·]Ŝă λű ŘλŶŎdzfű ű2 I·ääŜää LJ2ůŜyəI·f NλăĮă ű2 ² ŜăúŜNy' DNI·è ² KI·fŜaφ ! ŘŜōI·úŜ I·ō2dzű úKŜ λY'LJ2NúI·yŎŜ 2Ŧ tłfúdzy'[I·Ǝ22y'ű2 ōSyűKλŎ LJNŜè Ŧ2N ² ŜăúŜNy' DNI·è ² KI·fŜă Ŏ2yəydzŜăφ {łyŎŜ ŎKI·yƎŜä ű2 úKŜ LJNŜè ōI·äŜ I·yŘ ŦŜŜŘłyƎ ŜŎ2f2Ǝè 2Ŧ ² ŜăúŜNy' DNI·è ² KI·fŜă I·NŜ f2yƎπúŜNY Ŕ 6

and provide input to research plans.[28]

C₴ff₴øλy∃ ŘλăÕdzăăλ₴yã l·ű ² D ² ! tπмc ób₴ØŜϒōŜ№ нлмpú l·ō₴dzű {l·ⅎKl·fλy˝9yŜ№∃èŭă LJtl·yã ű₴ άNŜ₮NŜăK€ úKŜ W₴λyű tN₴∃Nl·ϒϒŜΣ L¦ / bΣ ŭKŜ ² D ² ! tΣ l·yŘ {l·ⅎKl·fλy˝9yŜ№∃è Õ₴yØŜySŘ úø₴ W₴λyú tN₴∃Nl·ϒϒŜ ¢l·ăⅎ C₴NÕŜ ϒŜŜəy∃ă λy˝ нлмc◊ ¢₴ λy₮₴Nϒ l· ySø LJtl·yΣ úKŜăŜ úl·ăⅎ ₮₴NÕŜ ϒŜŜəy∃ă l·ff₴øŜŘ ₮₴N ₮dzttŜ№ ŘλăÕdzăăλ₴yã ₴₮ NŜăŜl·NÕK ySŜŘăΣ λy˝fλ∃Kú ₴₮ NŜLJ₴Núă ₴₮ ōdzŘ∃Ŝú ŘŜÕNŜl·ăŜă ₮₴NéKŜ W₴λy˝ N úăΩ ® 5 Kl· ő ₮ÆEΔ l˝è ØŜǰŶŜl ⌡₴ Ъ Õ

{ł·ʅKł·fλy˝9yŜℕƎèℚă ł·ōλfλűè ű2 ł·ŎŎŜăă ŜÈLJŜℕűú ŦŜŜŘōł·Ŏʅ ł·yŘ ℕŜØλŜø Ŧ2ℕ λűă Y˝λəƎł·əƨy˝LJfł·yãΦ

² ŜăúŜℕy˝DℕI·è ² KI·fŜă I·yŘ {I·ʅKI·fły˝9yŜℕƎèΣ I·yŘ úƨ 2úKŜℕ I·Ôú2ℕă 2y˝úKŜ {I·ʅKI·fły˝ăKŜf₹℗ hØŜℕI·ftΣ ℕŜăLJ2yŘŜyűă

9ũŜŎəØŜyŜăă ƻŦ ŭKŜ ² D ² ! t

¢Kʌă ăŜŎəƻƴŘʌăŎʤžăăŜă ŭKŜ ŜÈúŜyű ŭƻ ǿKʌŎK ŭKŜ t l·yŜfŒă ƻʤzúLJʤzúă KI·ØŜ ōŜŜƴfŜI·ŘʌyƎ ŭƻ ŭKŜ ʌyűŜyŘŜŘ ƻʤzúŎƻƴŜă ƻŦ ŎƻyãŜŃØI·əƻƴƻŦ ² ŜăúŜŃyˇDŃI·è ² KI·fŜăȹ

Summary Findings

1.

t l·yŜf wŜŎƨϒϒŜyŘl·əƨyã

¢ĸŜ ŁJŊƛϒl·ŊѐƨdzΰŁJdzΰă 2ŦűĸŜ ² D ² ! t l·ŊŜ ά̈ăŎλŜyəŬŎΣ ΰŜŎĸyλŎl·fΣ l·yŘ ƨŁJŜŊl·əƨyl·f ŊŜŎƨϒϒŜyŘl·əƨyã ΰĸKl·ΰ λΰ ōŜfƛŜØŜă l·ŊŜ ySŎŜăăl·ŊѐƨŊ dzăŜŦdzf Ŧ2Ŋ Ŏ2yãŜŊØλyƎ ΰĸŜ ² ŜăΰŜŊyϒDŊl·è ² Kl·fŜ ŁJƨŁJdzfl·əƨy¢€36 ¢ĸŜ ŊŜŎƨϒϒŜyŘl·əƨyã l·ŊŜ l·ƎŊŜŜŘ ΰƨ ōѐ ΰĸŜ Ŏ2yãŜyãdză 2Ŧ t l·yŜf aŜϒōŜŊä λyϒŊŜŁJƨŊΰä ŘŜØŜf2ŁJŜŘ l·ĐŜŊ ΰĸŜ ƨŶŎλl·f ² D ² ! t ϒŜŜəyƎäφ ¢l·ä] CƨŊŎŜ ŊŜŎƨϒϒŜyŘl·əƨyã l·ŊŜ ădzōYλğŜŘ ΰƨ ΰĸŜ Ŧdzff ² D ² ! t Ŧ2Ŋ Ŏ2yãλŘŜŊl·əƨyT ¢l·ä] CƨŊŎŜä Ŏlyẏƨΰ l·ŁJLJŊƨØŜ ōλyŘλyƎ ŊŜŎƨϒϒŜyŘl·əƨyã ƨyϒΰĸŜλŊ ƨøyφ {ŜŎƨyŘl·ŊѐƨdzΰŁJdzΰă 2Ŧ ΰĸŜ ² D ² ! t λyŎfdzŘŜ ŊŜŁJƨŊΰäΣ äŎλŜyəŬŎ ƨƨdzŊyl·f l·ŊəŎfŜäΣ l·yŘ ϒŜŜəyƎ l·yŘ ΰl·ä] Ŧ2ŊŎŜ ŊŜŁJƨŊΰäφ

{λyŎŜ λΰă λyŎŜŁJəƨyΣ ΰĸŜ ² D ² ! t Kl·ă λăädzŜŘ pфp ŊŜŎƨϒϒŜyŘl·əƨyãφ37 ¢ĸŜ Øl·äΰ Yl·ƨƨŊλΰè 2Ŧ ΰĸŜăŜ ŊŜŎƨϒϒŜyŘl·əƨyã ς προΣ 2Ŋ Yƨ ŊŜ ΰĸKl·y τ€ ς Kl·ØŜ ōŜŜyϒl·ŘŜ ΰƨ {l·]Kl·fλy9yŜŊƎèφ Wdzäΰ ƨØŜŊ Kl·fŦ 2Ŧ ΰĸŜăŜ ŊŜŎƨϒϒŜyŘl·əƨyã ς олн ς l·ŊŜ fλäΰŜŘ l·ă Kl·ØλyƎ ōŜŜyλϒŁJfŜϒŜyΰŜŘĸŊŜă2fØŜŘ ăl·əäŦl·ŎΰƨŊλfè 2Ŋ λϒŁJfŜϒŜyΰŜŘĸŊŜă2fØŜŘ ăl·əäŦl·ŎΰƨŊλfè ōdzΰ yŜŜŘ ΰƨ ōŜ ΰŊl·Ŏ]ŜŘ ŊŜƎdzfl·Ŋfèφ hØŜŊ мŦ ΣƨŊ млп ŊŜŎƨϒϒŜyŘl·əƨyãΣ ØŜŊŜ ŜλΰĸŜŊ ŊŜƨŜŎΰŜŘ ōѐ {l·]Kl·fλy9yŜŊƎè ƨŊ yƨ fƨyƎŜŊ ŊŜfŜØl·yΰ ōdzΰ Kl·Ř yƨΰ ōŜŜyλϒŁJfŜϒŜyΰŜŘ ăl·əäŦl·ŎΰƨŊλfè l·ΰ ΰĸŜ əϒŜ λΰ ōŜŎl·ϒŜ ϒƨƨΰφ ¢ØŜyΰèπäŜØŜy ŊŜŎƨϒϒŜyŘl·əƨyã l·ŊŜ ŎdzŊŊŜyΰfè fλäΰŜŘ l·ă ƨŁJŜyφ

LyΰĸŜ ŁJŜŊλƨŘ 2Ŧ нлмрπмтΣ ΰĸŜ ² D ² ! t λăädzŜŘ пр ŊŜŎƨϒϒŜyŘl·əƨyãφ hŦ ΰĸŜăŜΣ мт l·ŊŜ Ŏf2äŜŘΣ Kl·ØλyƎ ōŜŜy λϒŁJfŜϒŜyΰŜŘĸŊŜă2fØŜŘ ăl·əäŦl·ŎΰƨŊλfèφ ¢Øƨ ŊŜŎƨϒϒŜyŘl·əƨyã ØŜŊŜ ŜλΰĸŜŊ ŊŜ2ŜŎΰŜŘ ōѐ {l·]Kl·fλy9yŜŊƎè ƨŊ yƨ fƨyƎŜŊ ŊŜfŜØl·yΰ ōdzΰ Kl·Ř yƨΰ ōŜŜyλϒŁJfŜϒŜyΰŜŘ ăl·əäŦl·ŎΰƨŊλfè l·ΰ ΰĸŜ əϒŜ λΰ ōŜŎl·ϒŜ ϒƨƨΰφ ¢ØŜyΰèπŦƨdzŊ ŊŜŎƨϒϒŜyŘl·əƨyã ŦŊƨϒ ΰĸKλă əϒŜ ŁJŜŊλƨŘ l·ŊŜ fλäΰŜŘ l·ă ƨŁJŜyφ

Lΰΰ λă λϒŁJƨŊΰl·yΰ ΰƨ yƨΰŜ ΰĸKl·ΰ l· LJdzŊŜfè yΰzϒŜŊλŎl·f ŜØl·fdzl·əƨyΣƨŦ ΰĸŜ λϒŁJfŜϒŜyΰl·əƨyΣƨŦ ŊŜŎƨϒϒŜyŘl·əƨyã λă λyl·ŘŜIjdzl·ΰŜφ LϒŁJfŜϒŜyΰl·əƨyΣƨŦ ăŜØŜŊl·f ŊŜŎƨϒϒŜyŘl·əƨyã ΰĸKl·ΰ Kl·ØŜ Yλyƨ ŊλϒŁJl·Ŏΰ 2yΣŎ2yãŜŊØl·əƨyΣƨŦ ² ŜăΰŜŊyΣ DŊl·è ² Kl·fŜă Kl·ă ΰĸŜ ŁJƨΰŜyəl·f ΰƨ ōŜ 2dzΰØŜλƎKŜŘ ōѐ ΰĸŜ ŊŜƨŜŎəƨyΣƨŦ 2yŜ ŊŜŎƨϒϒŜyŘl·əƨyΣΰĸKl·ΰ ØƨdzfŘ Kl·ØŜ Yl·ƨƨŊ λϒŁJl·Ŏΰ 2yΣŎ2yãŜŊØl·əƨyΣƨŦ ² ŜăΰŜŊyΣDŊl·è ² Kl·fŜăφ

¢KŊƨdzƎK ΰĸŜ ădzŊØλŜèl·yŘ λyΰŜŊØλŜøă ØŜ l·ăäŜăăŜŘ ΰĸŜ ŁJŜŊŎŜŁJəƨyΣ l·ŎŊƨäă ăΰl·]ŜK2fŘŜŊ ƎŊƨdzŁJäΣ l·ō2dzΰ Kƨø ØŜff ŊŜŎƨϒϒŜyŘl·əƨyã Kl·ØŜ ōŜŜyλϒŁJfŜϒŜyΰŜŘφ ² KλfŜ tl·yŜffλΰă ŘŜΰŜŊϒλyŜ ØĸKŜΰĸKŜŊ ŊŜŎƨϒϒŜyŘl·əƨyã l·ŊŜ l·ŘŜIjdzl·ΰŜfè λϒŁJfŜϒŜyΰŜŘ ƨŊ yƨΰΣ l·ff ăΰl·]ŜK2fŘŜŊă Kl·ØŜ ØλŜøă ƨyΰĸŜ Ijdzl·fλΰè 2Ŧ λϒŁJfŜϒŜyΰl·əƨyφ hyΰĸŜ ØK2fŜΣ ădzŊØŜè ŊŜăŁJ2yŘŜyΰă λyŘλŎl·ΰŜŘ Ŏ2yŬŘŜyŎŜ λyΰĸŜ ŎfI·ŊλΰèƨŦ ² D ² ! t ŊŜŎƨϒϒŜyŘl·əƨyãφ ² KŜyϒl·ă]ŜŎ ΰ Õ M

ƶℕ tl·yŜf YˇŜYˇōŜℕăΩ Ǒƶy0ŜℕyãI·ō2dzű Ǒ2YˇLJl·yê ℕŜăLJ2yãŜă¢44

5dzℕλyƎ űKŜ LJŜℕλ2Ř Ǒ2ØŜℕŜŘ ōè űKλă ŜØl·fdzI·ə2yˇówl·yűzI·ℕè нлмрπWdzyŜ нлмyúΣ űKŜ tl·yŜf λăădzŜŘ űKℕŜŜ LJdzōfλǑ ăűl·ûŜYˇŜyűă¢ hyŜ ăűl·ûŜYˇŜyú ŜÈLJℕŜăăŜŘ Ǒ2y0ŜℕyˇI·ō2dzű ûKŜyπLJℕ2LJ2ăŜŘ ăŜλăYˇλǑ I·ǑəØλúè 2yˇûKŜ {l·ʅKl·fλyˇăKŜfŦ λyˇнлмрΣ 2yŜ ăűl·ûŜYˇŜyú ŜÈLJℕŜăăŜŘ Ǒ2y0ŜℕyˇI·ō2dzű ûKŜ LJ2ûŜyəl·f λYˇLJl·Ǒûă 2Ŧ 9b[Ωă 2yƎ2λyƎ LJλŜℕ Ǒ2yãúℕdzǑə2yˇLJℕƶ2ŜǑú λyˇtλfűdzyˇ [l·Ǝƶ2yΣ l·yŘ 2yŜ ăűl·ûŜYˇŜyú Ǒ2y0ŜℕyŜŘ l·Ǒ2dzăəǑ Yˇ2yλú2ℕλyƎ ŘdzℕλyƎ {l·ʅKl·fλyˇ9yŜℕƎè0ă нлму ăŜλăYˇλǑ ădzℕØŜè¢

¢KŜăŜ ăűl·ûŜYˇŜyűă l·yŘ fŜğŜℕă KλƎKfλƎKú ûKŜ tl·yŜfΩă Ǒ2yǑfdzăλ2yã λyˇúK2ăŜ λyãűl·yǑŜă øKŜyˇλyŘλØλŘdzl·f ℕŜǑ2YˇYˇŜyŘl·ə2yã l·ℕŜ y2ú l·ŘŜljdzl·ûŜ û2 ûKŜ tl·yŜfΩă fŜØŜf 2Ŧ Ǒ2y0ŜℕyΦ LyˇŜl·ǑK 2Ŧ ûKŜ Ǒl·ăŜăΣ ûKŜ ăűl·ûŜYˇŜyűă ℕŜƎl·ℕŘŜŘ LJƶûŜyəl·ffè ǑℕλəǑl·f l·yŘ fl·ℕƎŜπ

ΰƨ LJNƨØλŘŜ λyғƨNYl·əƨyΎΰƨ ΰŘKŜ ² D ² ! t¢ vdzl·fλΰl·əØŜ λyΰŜNØλŜøă ădzƎƎŜăΰŜŘ ΰŘKl·ΰ ΰŘKλă λyғƨNYl·əƨyΎλă ăƨYŜəYŜă LJNƨØλŘŜŘΣ l·yŘ ăƨYŜəYŜă yƨΰ¢ {ƨYŜ ăΰl·ⅉŜK2fŘŜNă Nl·λăŜŘ Ôƨ yÔŜNyã ΰŘKl·ΰ {l·ⅉKl·fλyΎ9yŜNƎè Ôl·yΎdzăŜ ΰŘKŜ Wƨλyΰ tNƨ3ƎNl·YYŜ l·ă l·yΎŜÈÔdzăŜ ΰƨ yƨΰ ăKl·NŜ Řl·ΰl·Σ ƨNJ l·ă l· ăÔl·LJŜƎƨl·ΰ ΰƨ ōfl·YŜ l·yƨΰŘKŜN LJl·Nΰèφ /ƨyÔŜNyã l·ō2dzΰ l·ÔÖŜăă ΰƨ λyғƨNYl·əƨyғNƨYΎ ΰŘKŜ Wƨλyΰ tNƨ3ƎNl·YYŜ ǿl·ă l·făƨ NJl·λăŜŘ l·ă l· LJNλƨNλΰè λăădzŜ λyΎydzYŜNƨdză ădzNØŜè Ô2YYŜyΰăφ

¢KŜ ÖKl·ffŜyƎŜ ƨғ l·ÖÖŜăă ΰƨ λyғƨNYl·əƨyΎNƨYΎ ΰŘKŜ Wƨλyΰ tNƨ3ƎNl·YYŜ λă l· fƨyƎπăΰl·yŘλyƎ λăădzŜ ΰŘKl·ΰ Kl·ă ōŜŜyΎ λŘŜyəŬŜŘ əYŜ l·yŘ l·Əl·λyΎōè tl·yŜf YŜYōŜNă l·yŘ ΰŘKNƨdzƎK ² D ² ! t ŜØl·fdzl·əƨyă¢ Lΰλă yƨΰ ÖfŜl·N ØKè {l·ⅉKl·fλyΎ9yŜNƎè Kl·ă yƨΰ LJNλƨNλəÎŜŘ l· NŜyŜƎƨəl·əƨyΎøλΰK 9b[ƨғ LJƨfλÔλŜă ΰƨ Syădzn ŜΰKl·ΰ l·ff Řl·ΰl· Əl·ΰKŜNŜŘ ōè ΰKŜ Wƨλyΰ tNƨ3ƎNl·YYŜ λă l·Øl·λfl·ōfŜ ΰƨ ΰŘKŜ ² D ² ! t¢ ¢KŜ fl·Ö⅂ ƨғ ŜΰƨNΰ ΰƨ ăƨfØŜ ΰŘKλă λăădzŜ Nl·λăŜă Ôƨyÿ ŜNyã l·ō2dzΰ ΰŘKŜ Ôƨ YLJl·yè¢ă Ôƨ YYλΰYŜyΰ ΰƨ LJNƨØλŘλyƎ ² D ² ! t YŜYōŜNă ØλΰK ΰŘKŜ λyғƨNYl·əƨyΎΰŘKŜè ySŜŘφ

!ΰ ΰŘKŜ ăl·YŜ əYŜΣ øŜ ŘλŘ yƨΰ ăŜŜ ŜØλŘŜyÖŜ ΰŘKl·ΰ L¦ /b ƨN ΰŘKŜ tl·yŜf Kl·Ř ŜÈLJŜNλYŜyΰŜŘ ØλΰK ŘλΰŜNŜyΰ əYλyƎă ƨғ YŜŜəyƎă ΰƨ l·ff2ø ғƨN LJNƨLJŜN LJNŜăŜyΰl·əƨyΎƨғ Řl·ΰl·Σ ƨN ŘλΰŜNŜyΰ YŜΰK2Řă ƨғ ăKl·NλyƎ Řl·ΰl· λyғƨNYl·ffè λyΎōŜΰøŜŜyΎ YŜŜəyƎăφ ¢KŜ Yƨ2ØŜ ғNƨYΎ ΰøƨ YŜŜəyƎă LJŜN èŜl·N ΰƨ ƨyŜ ŘλŘ yƨΰ KŜfLJΣ ăλyÖŜ ØλΰK ΰøƨ YŜŜəyƎă ΰŘKŜ tl·yŜf øl·ă able to review plans in the spring and review results in the fall.

bƨyŜΰKŜfŜăăΣ ădzNØŜè NŜăLJƨyŘŜyΰă ăK2ø l· KλƎKŜN fŜØŜf ƨғ Ôƨyΰ̃ŘŜyÖŜ λyΎl·ÖÖŜăă ΰƨ λyғƨNYl·əƨyΎΰKl·yΎλyΎLJNŜØλ2dză ëŜl·Nă¢ {dzNØŜè NŜăLJƨyŘŜyΰă Nl·ΰŘŜ ΰKŜλN Ôƨyΰ̃ŘŜyÖŜ λyΎλyғƨNYl·əƨyΎLJNƨØλŘŜŘ ΰƨ ΰŘKŜ tl·yŜf λyΎÔƨyΰNλōdzəyƎ ΰƨ ² D ² ! tΩă ŜΰŜÖəØŜyŜăă l· τ¢cм ƨdzΰ ƨғ мл¢52 tl·yŜf YŜYōŜNă ăKƨøŜŘ ătλƎKΰtè tŜăă Ôƨyΰ̃ŘŜyÖŜ λyΎΰKŜ λyғƨNYl·əƨyΎ LJNƨØλŘŜŘΣ ƨΰŜNλyƎ l· Nl·əyƎ ƨғ τ¢мτΤ bDhă ŘŜYƨyăΰNl·ΰŜŘ ΰŘKŜ fŜl·ăΰ Ôƨyΰ̃ŘŜyÖŜΣ øλΰK l· Nl·əyƎ ƨғ p¢cτ¢

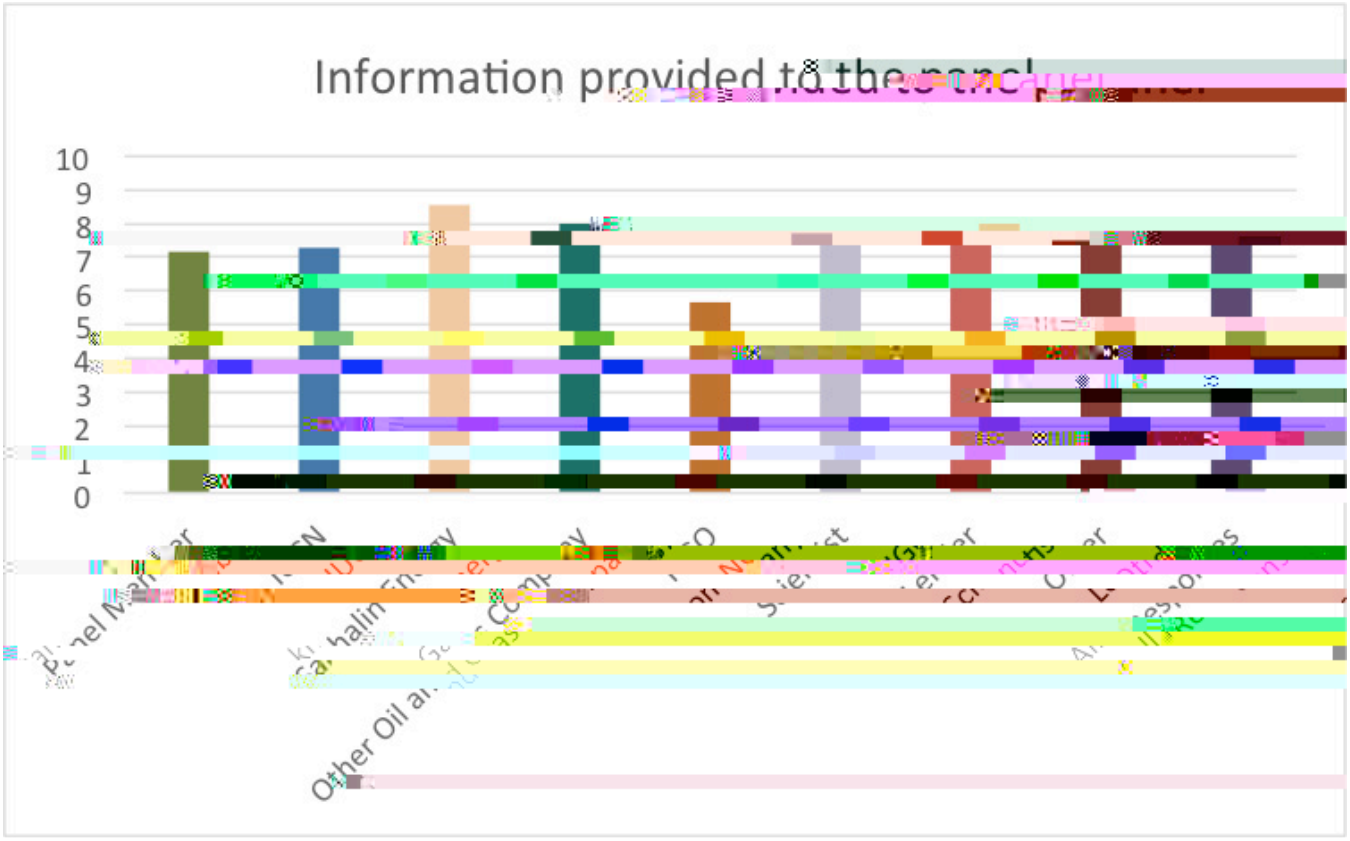
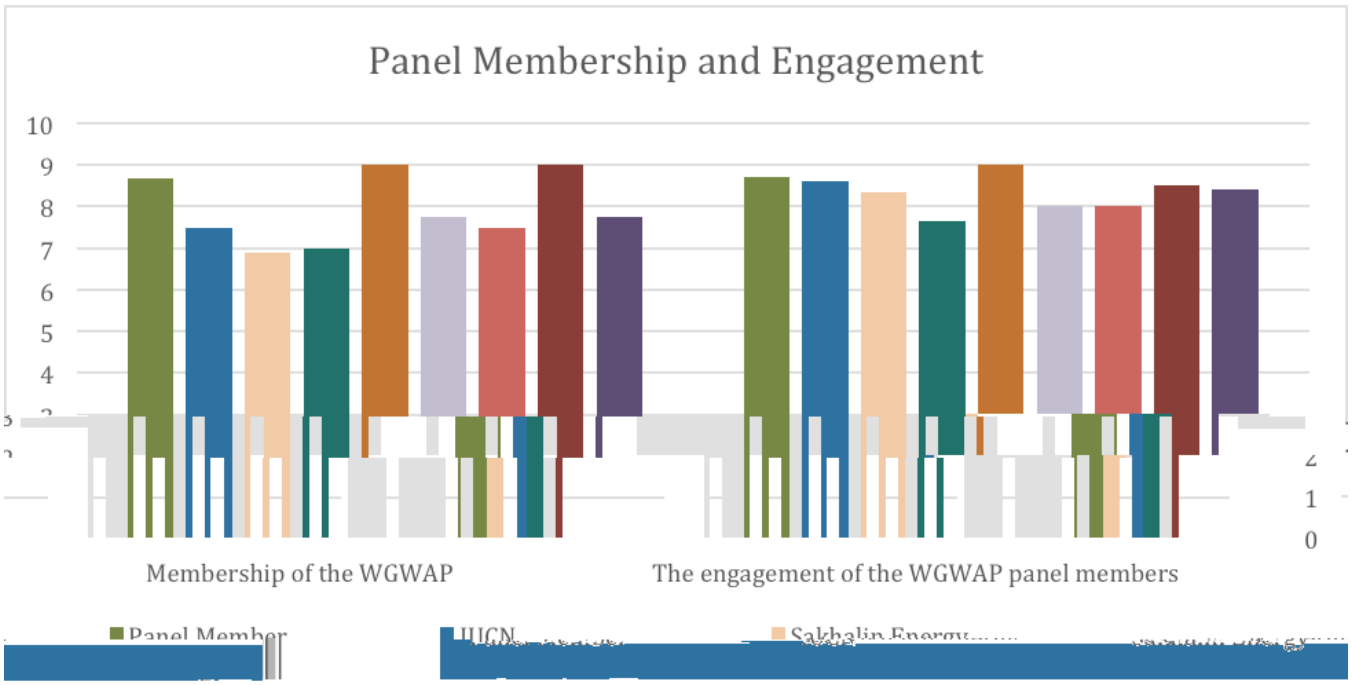


Figure 5. Survey Question 26

Relationships between WGWAP, IUCN, and Sakhalin Energy

[52] ⅉ {dzNØŜè vdzŜăəƨyΎнc



Role of Lenders and their Consultants

[ŜyŘŜℕă l·yŘ úĸŜλℕ Ŏ2yãdztűl·yűă ĸl·ØŜ LJtl·èŜŘ l·y˝λY˙LJ2ℕúl·yű ℕ2fŜ λy˝úĸŜ ² D ² ! t ăλyŎŜ úĸŜ ØŜℕè ōŜƎλyƴλyƎ 2ŦúĸŜ LJℕ2ŎŜăă℗ Lű λă ŘdzŜ ű2 fŜyŘŜℕ Ŭyl·yŎλyƎΣ l·yŘ ℕŜIjdzλℕŜY˙Ŝyűă Ŧ2ℕ úĸŜ ² D ² ! t λyŎfdzŘŜŘ λy˝{l·ʅĸl·fλy˝9yŜℕƎè℡ă l{9{! t LJℕ2ØλŘŜŘ ű2 fŜyŘŜℕăΣ úĸl·ű úĸŜ ² D ² ! t ŜÈλăúă℗ vdzl·fλúl·əØŜ λyűŜℕØλŜǿă ℕŜLJŜl·ûŜŘfè dzyŘŜℕăÒ2ℕŜŘ úĸŜ dzyŘŜℕăúl·yŘλyƎ

² Ŝ y₂ŭŜŘ ŭKl·ŭ ŭKŜ ø₂₪ʅ ₂₮ ŭKŜ ² D ² ! t ƛă y₂ŭ øŜff ʅy₂øʏ l·Y₂yƎ wdžăăƛl·ʏ bDhă øK₂ Ř₂ y₂ŭ ₪ŜƎdzfl·₪fê ₮2ff2ø ŭKŜ work of the Panel.

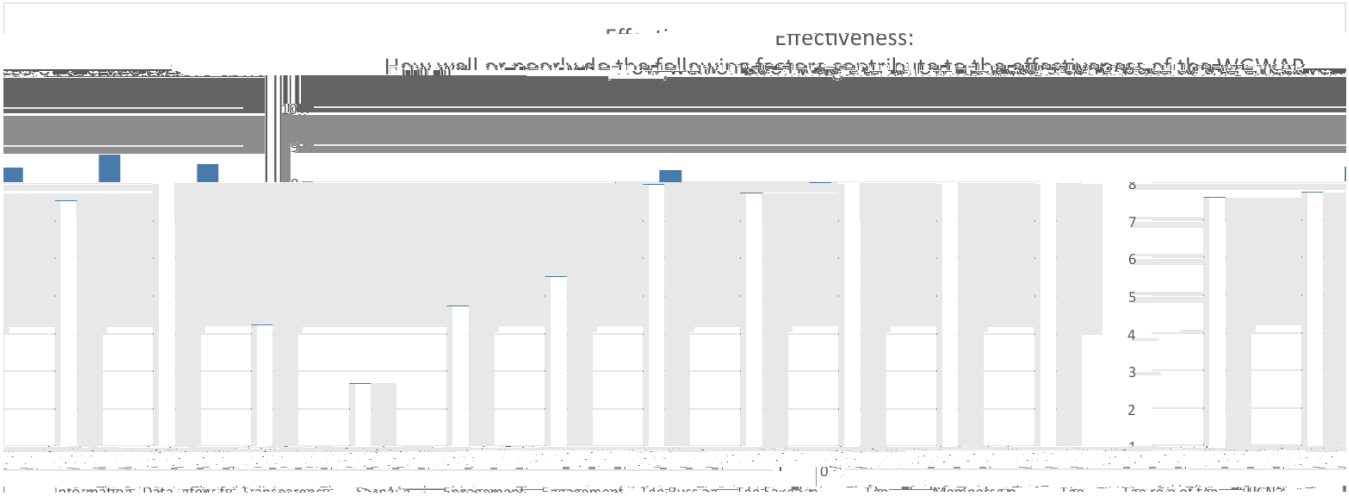


Figure 8. Survey questons 26, 27, 28, 29, 30, 31 ,32, 33, 34, 35, 36, 37 and 38

C₪₂Y l· tŜyŘŜ₪ l·yŘ Ŏ₂Yʟjl·yê ʟJ₂ƛyŭ ₂₮ ØƛŜøΣ ăűl·ʅŜK₂fŘŜ₪ă y₂ŭŜŘ ŭKl·ŭ ₪Ŝfl·ə₂yãKƛʟJă øƛűK bDhă Kl·ØŜ ăKƛDŜŘΣ ₂ØŜ₪ ŭKŜ èŜl·₪ăΣ ₮₪2Y ₂yŜ ₂₮ Ŏ₪ƛəŎƛăY l·yŘ ₪ăʅ ű2 Ŏ₂₪ʟJ₂₪l·ŭŜ ₪ŜLJdzűl·ə₂ʏű2 ₂yŜ ₂₮ Ŏ22ʟJŜ₪l·ə₂ʏl·yŘ ŜyƎl·ƎŜYŜyŭ øƛűK ŭKŜ tl·yŜf l·ă l· YŜl·yã ₂₮ ₪Ŝl·ŎKƛyƎ ŭKŜƛ₪ Ǝ2l·fă ₂₮ ŜyØƛ₪2yYŜyűl·f ʟJ₪2ŭŜŎə₂y₱

{dz₪ØŜè Řl·úl· Øl·fιŘl·úŜă ŭKƛă ₂ōăŜ₪Øl·ə₂yT ₪ŜăʟJ₂yŘŜyűă ŜØl·fdzl·úŜŘ ŭKŜ ŜyƎl·ƎŜYŜyŭ ₂₮ bDh ₂ōăŜ₪ØŜ₪ă l·ű τ₱ϕτ ₂dzű ₂₮ 10[64] l·yŘ ŭKŜ ₪Ŝfl·ə₂yãKƛʟJă ōŜűøŜŜʏűKŜ ² D ² ! t l·yŘ bDhă l·ű y₱мп₱[65]

Lʏ l·ŘŘƛə₂ʏű2 bDh ₂ōăŜ₪ØŜ₪ăΣ øK₂ ₪ŜŎŜƛØŜ ŭKŜ ōdzfʅ ₂₮ l·ğŜyə₂ʏl·ă ₂ōăŜ₪ØŜ₪ăΣ øŜ KŜl·₪Ř ʟJ₂ăƛəØŜ ₮ŜŜŘōl·Ŏʅ ₮₪2Y ljdzl·fűŭl·əØŜ ƛyűŜ₪ØƛŜøă l·ō₂dzű ŭKŜ ʟJ₪ŜăŜyŎŜ l·yŘ ŜyƎl·ƎŜYŜyŭ ₂₮ ₂ŭKŜ₪ ₂ōăŜ₪ØŜ₪ăΣ ŜăLJŜŎƛl·ffê wdžăăƛl·ʏăŎƛŜyəăűă øK₂ are not members of the Panel.

[64] ₿ {dz₪ØŜè vdzŜăə₂ʏon
[65] ₿ {dz₪ØŜè vdzŜăə₂ʏnp

9ŶŎλŜyŎè

¢Kλă ăŜŎə2ƴI·ŘŘ₦ŜăăŜă ΰKŜ IjdzŜăə2ƴ2₮ K2ø Ŏ2ăΰmŜũŜŎəØŜ ΰKŜ ² D ² ! t LJ₦2ŎŜăă λă¢

Summary Findings

1. {ΰI·ⅎŜK2fŘŜ₦ă KI·ØŜ KλƎK Ŏ2yŬŘŜyŎŜ ΰKI·ΰ ΰKŜ Y'I·yI·ƎŜY'Ŝyΰ 2₮ ΰKŜ LJ₦2ŎŜăă ōè L ¦ / b I·ŎŎ2Y'LJfŧăKŜŘ I·Ǝ₦ŜI·ΰ ŘŜI·f øλΰK ΰKŜ ₦Ŝă2dz₦ŎŜă I·ØI·λfI·ōfŜ¢ L ¦ / b ăΰI·ũ Ŝyãdz₦Ŝ ΰKI·ΰ Y'ŜŜəyƎă I·₦Ŝ øŜff Y'I·yI·ƎŜŘΣ Y'I·ΰŜ₦λI·fă LJ₦2ŘdzŎŜŘ ΰ2 KλƎK IjdzI·fŧΰẽΣ ŘλũŜ₦Ŝyŏŝă 2₮ 2LJλyλ2y'Y'I·yI·ƎŜŘΣ I·yŘ ₦ŜfI·ə2yãKλLJă ō₦2ⅎŜ₦ŜŘ I·ă øŜff I·ă LJ2ăăλōfŜ øλΰKλy'ōdzŘƎŜΰ Ŏ2yãΰ₦I·λyΰă¢ ¢KŜ Ŏ2πŎKI·λ₦ă KI·ØŜ I·fă2 ōŜŜy'IjdzλΰŜ ŜŶŎλŜyΰ λy'ō₦ΛŘƎλyƎ ΰKŜ ØI·fdzŜă I·yŘ ySŜŘă 2₮ λyŘdzăΰ₦ẽΣ ăŎλŜyəăΰăΣ 2ōăŜ₦ØŜ₦ăΣ I·yŘ L ¦ / b ăΰI·ũ¢

2. ² D ² ! t ăK2dzfŘ Ŏ2yəydzŜ ΰ2 Ŏ2yãλŘŜ₦ øKŜΰKŜ₦ ΰKŜ tI·yŜf KI·ă ΰKŜ ySŎŜăăI·₦è Y'I·ⅎŜdzLJ ΰ2 ōŜ Ŭΰ ₮2₦ LJdz₦LJ2ăŜΣ ōI·fI·yŎλyƎ ΰKŜ ySŜŘ ΰ2 ₦ŜŘdzŎŜ Ŏ2ăΰă øλΰK ySŎŜăăI·₦è ₦ŜŘdzyŘI·yŎè ΰKI·ΰ ō₦λyƎă Y'dzfəLJfŜ

¢2 I·yãøŜ₦ ΰKŜ IjdzŜăə2ƴ2₮ øKŜΰKŜ₦ ΰKŜ ² D ² ! t λă ŜŶŎλŜyΰΣ ăΰI·ⅎŜK2fŘŜ₦ă y2ΰŜŘ I· ydzY'ōŜ₦ 2₮ ŘλũŜ₦Ŝyΰ ₮₦I·Y'λyƎă 2₮ ŜŶŎλŜyŎèY

- **² Ŝff Y'I·yI·ƎŜŘ**
- **C‹ΰ ₮2₦ tdz₦LJ2ăŜ**
- **/2yãŜ₦ØI·ə2y'LJ₦22ŜŎΰ**
- **{2fdzə2y'₮2₦ Ŏ2yΰŜy'2dză LJ₦22ŜŎΰ**
- **9ŶŎλŜyŎè Øă¢ 9ũŜŎəØŜyŜăă ΰ₦I·ŘŜ 2ũă**

{2 ΰKŜ I·yãøŜ₦ ΰ2 ΰKŜ IjdzŜăə2ƴŘŜLJŜyŘă 2ƴ øKλŎK ₮₦I·Y'λyƎ 2yŜ dzăŜă¢ hØŜ₦I·ffΣ ₦ŜăLJ2yŘŜyΰă ΰ2 ΰKŜ ădz₦ØŜè ƎI·ØŜ I· т¢c λy'₦ŜăLJ2yãŜ ΰ2 ΰKŜ ăΰI·ΰŜY'Ŝyΰ ócC₦2Y' Y'è LJŜ₦ăLJŜŎəØŜΣ ΰKŜ ² D ² ! t LJ₦2ŎŜăă λă I·y'ŜũŜŎəØŜ λyØŜăΰY'Ŝyΰ 2₮ Y'2ySè ΰ2øI·₦Ř ΰKŜ Ŏ2yãŜ₦ØI·ə2y'2₮ ² ŜăΰŜ₦y'D₦I·è ² KI·fŜă¢é[70]

[70] ₿ {dz₦ØŜè vdzŜăə2y'pп

Figure 10. Survey Ques t on 54

² Ŝft Ɏ I·yl·ƎŜŘ

{úl·ʅŜK2fŘŜ№ă ǿŜ№Ŝ yŜI·№fẽ dzyl·yλƳ2dză úKI·ú úKŜ Ɏ I·yl·ƎŜƳŜyú 2₮ úKŜ LJ№2ǑÔŜăă ōè L ¦ / b I·ÔǑ2ƳLJfŧăKŜŘ I· Ǝ№ŜI·ú ŘŜI·f
ǿλűK úKŜ №Ŝă2dz№ǑÔŜă I·ØI·λfI·ōfŜΦ L ¦ / b ăűI·ũ Ŝyãdz№Ŝ úKI·ú ƳŜŜəyƎă I·№Ŝ ǿŜft Ɏ I·yl·ƎŜŘΣ Ɏ I·úŜ№λI·fă LJ№2ŘdzÔŜŘ ű2 KλƎK 2

ŦƧNJ LJdzNJLJƨăŜ l·ă λΰ ǿl·ă мп èŜl·Nă l·∃Ƨ◊ ! t l·yŜf ǿλΰK ǿλŘŜ ăŜΰă Ƨŧ ŜÈLJŜNəăŜ ƨy´ydzY´ŜN2dză ΰKNŜl·ΰă Y´l·ŘŜ ăŜyãŜ ŘdzNJλy∃ l· ŘŜØŜf2LJY´Ŝyΰ LJKl·ăŜ ΰKl·ΰ LJŜNJKl·LJă l·NŜ yƧΰ ySŐŜăăl·Nè l·ă {l·ǰKl·fλy´9ySNJ∃è Kl·ă ăKλDŜŘ ΰƨ ƨLJŜNJl·ə2yãΣ ǿλΰK yƧ ÕdzNJNJŜyΰ LJfl·yã ŦƧNJ ŜÈLJl·yãλ2y◊ ¢KŜ нлмп ŜØl·fdzl·ə2y´LJN2LJ2ăŜŘ l· ăY´l·ffŜNJ tl·yŜf ǿλΰK ăÕλŜyəăΰă ƨy´Õl·ff ŦƧNJ ălJŜÕλŨÕ ljdzŜăə2yã ƨy´l·y´l·ă ySŜŘŜŘ ōl·ăλãΣ l·yŘ ă2Y´Ŝ ăΰl·ǰŜK2fŘŜNJă NJŜySǿŜŘ ΰKl·ΰ Õ2yÕŜLJΰ◊ Ly´ΰKλă l·yl·fèăλãΣ l· ăY´l·ffŜNΣ Y´ƧNJŜ ŦƧÕdzăŜŘ tl·yŜf Y´λ∃Kΰ Õ2ăΰ fŜää l·yŘ ŘŜfλØŜNJ Ŝljdzl·ffè ∃Ƨ2Ř NJŜădzfΰă◊ hΰKŜNJă yƧΰŜ ΰKl·ΰ ΰKŜ ÕdzNJNJŜyΰ ăλÎŜ 2Ŧ ΰKŜ tl·yŜf l·ff2ǿă ŦƧNJ ăÕλŜyəăΰă ΰƨ ōNJλy∃ Y´dzfəLJfŜ ØλŜǿLJƨλyΰă ƨy´ljdzŜăə2yã ǿKŜNJŜ ΰKŜ l·yãǿŜNJă l·NJŜ ƨ´DŜy´dzyÕfŜl·NΣ ǿKλÕK Ôl·y´LJN2Y´ƨΰŜ NJŜă2fdzə2y´2Ŧ ŘλăÕdzăăλ2yã◊ ¢l·ă ǰ C2NJÕŜă ∃l·λy´Kλ∃K Y´l·NJǰă ŦƧNJ LJN2ŘdzÕλy∃ dzăŜŦdzf ŘλăÕdzăăλ2yãΣ ŜăLJŜÕλl·ffè ƨyΰŜÕKyλÕl·f λăădzŜăΣ ΰK2dz∃K ΰKŜNJŜ λă yƧ ădzōăəΰdzΰŜ ŦƧNJ l· ŦdzffΣtl·yŜf NJŜØλŜǿ ƨŦ ΰl·ǰ ŦƧNJÕŜ Õ2yÕfdzăλ2yã◊

/ƨyãŜNJØl·əƨy´LJN2ƨŜŎΰ

! ÕÕƧNJŘλy∃ ΰƧ ăƧY´Ŝ ăΰl·ǰŜK2fŘŜNJăΣ λŦ ΰKŜ ² D ² ! t ǿŜNJŜ λy´Õ2Y´LJŜəəƨy´ŦƧNJ ŦdzyŘλy∃ l·ă l·y´bDh ƧNJ ŦƧdzyŘl·əƨyπŦdzyŘŜŘ Õ2yãŜNJØl·əƨy´LJN2ƨŜŎΰΣ λΰ ǿƨdzfŘ ōŜ ŦI·NJ ΰƧ2 ŜÈLJŜyãλØŜ ŦƧNJ ΰKŜ Õ2yãŜNJØl·əƨy´NJŜădzfΰă LJN2ŘdzÕŜŘ◊ Lΰ ŦƧÕdzăŜă ƨy´l· ăλy∃fŜ ăLJŜÕλŜă λy´l· fλY´λΰŜŘ ∃Ŝ2∃NJl·LJKλÕ NJl·y∃ŜΣ l·yŘ tl·yŜffλăΰă yƧΰŜ ΰKl·ΰ ΰKŜ ăÕλŜyəŨÕ NJŜădzfΰă 2Ŧ Õ2Y´LJl·yèπŦdzyŘŜŘ NJŜăŜl·NJÕK l·NJŜ fŜää dzăŜŦdzf ŦNJ2Y´ l· ăÕλŜyəŨÕ LJ2λyΰ 2Ŧ ØλŜǿ ΰKl·yΰK2ăŜ LJN2ŘdzÕŜŘ ōè ŦI·NJ ÕKŜl·LJŜNJ wdzăăλl·y´λyãəΰdzəƨyã l·yŘ bDh ƧNJ ŦƧdzyŘl·əƨyπŦdzyŘŜŘ NJŜăŜl·NJÕK LJN2∃NJl·Y´Y´Ŝă◊

{ƨfdzəƨy´ŦƧNJ Õ2yΰŜyəƨdză LJN2ƨŜŎΰ

{ƨY´Ŝ ăΰl·ǰŜK2fŘŜNJă LJ2λyΰ 2dzΰ ΰKl·ΰ ŜŶÕλŜyÕè Y´dzăΰ ōŜ l·ăăŜăăŜŘ ǰŜŜLJλy∃ λy´Y´λyŘ ǿKè ΰKŜ tl·yŜf ŜÈλăΰă λy´ΰKŜ ŨNJăΰ LJfl·ÕŜ◊ ¢KŜ LJdzNJLJ2ăŜ Ƨŧ ΰKŜ ŜÈŜNJÕλăŜ λă ΰƨ Y´l·yl·∃Ŝ l· LJN2ƨŜŎΰ ΰKl·ΰ Kl·ă ōŜŜy´Õ2yΰNJ2ØŜNJăλl·f ŦNJ2Y´ ΰKŜ ăΰl·NJΰΣ l·yŘ ΰKdzăăLJŜÕλl·f LJN2Õŝăăŝă l·NJŜ ySŜŘŜŘ ΰƨ Y´l·yl·∃Ŝ l· Øl·NJλŝΰè Ƨŧ Õ2yÕŜNJyã l·yŘ Øl·fdzŜă◊ L{¢! tă l·NJŜ y2ΰ ΰKŜ ă2fdzə2y´ŦƧNJ ŜØŜNJè Õ2Y´Y´ŜNJÕλl·f ƨNJ Õ2yãŜNJØl·əƨy´LJN2ƨŜŎΰΣ l·yŘ λy´Ŧl·Õΰ Y´l·è ōŜ ŜÈLJŜyãλØŜ ǿl·èă ΰƨ Y´l·yl·∃Ŝ ΰKŜY◊ ¸Ŝΰ ΰKŜè Kl·ØŜ Kλ∃K Øl·fdzŜ ōŜÕl·dzăŜ ΰKŜè ΰl·ǰŜ Õ2yΰŜyəƨdză LJN2ƨŜŎΰă l·yŘ ÕNJŜl·ΰŜ ΰKŜ Y´Ŝl·yã ƨŧ ŘŜl·fλy∃ ǿλΰK ăŜŜY´λy∃fè λNJNJŜÕ2yÕλfl·ōfŜ Õ2yƀλÕΰă ōŜΰǿŜŜy´ŜÕ2y2Y´λÕ l·ÕəØλΰÈΣ ōλ2ŘλØŜNJăλΰÈΣ l·yŘ ă2ÕλΙ·f Õ2yÕŜNJyã◊ ² λΰK2dzΰ ΰKŜ ² D ² ! tΣ {l·ǰKl·fλy´9ySNJ∃è Y´l·è y2ΰ Kl·ØŜ NJŜÕŜλØŜŘ λyΰŜNJyl·əƨyl·f f2l·yã ySÕŜăăl·Nè ΰƨ LJN2ØλŘŜ Õl·LJλΰl·f ŦƧNJ LJN2ƨŜŎΰ Õ2yãΰNJdzÕəƨy◊ !ΰ ΰKŜ ăl·Y´Ŝ əY´ŜΣ NJŜfl·əƨyãKλLJă ōŜΰǿŜŜy´bDhă ƨy´ΰKŜ ƨyŜ Kl·yŘΣ l·yŘ tŜyŘŜNJă l·yŘ {l·ǰKl·fλy´9ySNJ∃è ƨy´ΰKŜ ƨΰKŜNΣ Kl·ØŜ Y´ƨØŜŘ ŦNJ2Y´ Õ2yŦNJ2yΰl·əƨy´ΰƨ Õ2ffl·ō2NJl·əƨy◊ Lΰ λă ŘλŶÕdzfΰ ΰƨ λY´l·∃λyŜ K2ǿ ΰKl·ΰ ΰNJl·yãŦƧNJY´l·əƨy´ǿ2dzfŘ Kl·ØŜ ΰl·ǰŜy´LJfl·ÕŜ ǿλΰK2dzΰ ΰKŜ ² D ² ! t◊ {2 ŦNJ2Y´ ΰKl·ΰ LJ2λyΰ 2Ŧ ØλŜǿΣ ΰKŜ ² D ² ! t λă Ŧl·NJ Y´2NJŜ ŜŶÕλŜyΰ ŦNJ2Y´ l·y´λyŘdzăΰNJè 2NJ fŜyŘŜNJ LJŜNJäLJŜÕəØŜ ΰKl·y´l· LJN2ƨŜŎΰ ΰKl·Øΰ

Ƙ ρ G ŧ ΰØ

Kl·y´l· K ŜÕ Mλl· 5 _ Y´ ≠ è"Ą - Õədză ¯ ΰNJ l' Ŝ
y´ţ l' ş ǿ ă ═ M ÛŜƯ 5 K Ł ǿλ 6 ŜNJ ş

ŜyŘl·yƎŜℕ ΰKŜ l·ōλfλΰè ΰƨ2 LJℕ2ŘdzŐŜ KλƎKπljdzl·fλΰè ăÖλŜyƏŬÖ l·ŘØλŐŜ ΰKl·ΰ λă ΰℕl·yãLJl·ℕŜyΰ l·yŘ Øl·fdzl·ōfŜΦ ! ă ŦdzyŘλyƎ Ŧ2ℕ ² D ² ! t l·yŘ ΰKŜ W2λyΰ tℕ2ƎℕI·ΥΥŜ Ŧl·fŦãΣ ΰKŜ l·ōλfλΰè ΰ2 Ř2 ljdzl·fλΰè Υ2yλΰ2ℕλyƎΣ LJℕ2ØλŘŜ dzãŜŦdzf ŘI·ΰl·Σ l·yŘ ΰKŜ ŐI·LJl·Őλΰèΰ2 l·ŘØλăŜ {l·ℸKl·fλy9yŜℕƎè l·ℕŜ ℕŜŘdzÔŜŘΦ ¢KŜ ℕλăℸ λă ΰKl·ΰ l·ΰ l· ÔŜℕΰl·λyLJ2λyΰ ΰKŜ ŦdzyŐə2y2Ŧ ΰKŜ ² D ² ! t λă ÕℕλLJLJfŜŘ ΰ2 l· ŘŜƎℕŜŜ ΰKl·ΰ λΰ λă y2 f2yƎŜℕ ŦdzfŬffλyƎ ΰKŜ ŦdzyŐə2y2Ŧ Υλə∃l·əyƎ Ö2ΥLJl·yê λΥLJl·ÔΰΦ

¢KŜ ΰl·ōfŜ ōŜf2ø ăK2øă ² D ² ! t ōdzŘƎŜΰă LJℕ2ØλŘŜŘ ōè L¦ / b Ŧℕ2Υ нллсπнлмуΦ . dzŘƎŜΰă λyŐℕŜl·ăŜŘ ăΰŜl·ŘλfèŦℕ2Υ нллсπмлΣ l·yŘ Kl·ØŜ ōŜŜyLJℕ2ƎℕŜăăλØŜfèŘℕ2LJLJλyƎ ŜØŜℕ ăλyŐŜ ΰ2 ℕŜΰdzℕyΰ2 ΰKŜ нллс fŜØŜfΦ ¦ yəf нлмн ΰKŜăŜ ŜÈLJŜyãŜă øŜℕŜ ℕŜŐ2ØŜℕl·ōfŜ Ŧ2ℕ ΰKŜ Ö2ΥLJl·yê dzyŘŜℕ ΰKŜ tℕ2ŘdzÔə2y{Kl·ℕλyƎ !ƎℕŜŜYŜyΰ ót{ ! ΰΣ ōdzΰ ăλyŐŜ ΰKl·ΰ əYŜ ΰKŜ ăKl·ℕŜK2fŘŜℕă 2Ŧ ΰKŜ t{ ! Kl·ØŜ ℕŜLJ2ℕΰŜŘfè ōŜŜyLJdz ǩ yƎ λyŐℕŜl·ăλyƎ LJℕŜăădzℕŜ 2y{l·ℸKl·fλy9yŜℕƎè ΰ2 ℕŜŘdzÔŜ ΰKŜ l·Y2dzyΰ 2Ŧ Y2ySè Ə2λyƎ ΰ2 ΰKŜ ² D ² ! tΦ ¢Kλă ΰℕŜyŘ λă ŜÈl·ÔŜℕōl·ΰŜŘ ōè əƎKΰŜyλyƎ ōdzŘƎŜΰă λyƎŜySyŜℕl·f λyΰKŜ wdzăăλl·y 2λf l·yŘ Əl·ă λyŘdzăΰℕèΣ l·yŘΣ l·ÖÖ2ℕŘλyƎ ΰ2 ăΰl·ℸŜK2fŘŜℕăΣ ΰKŜ ŘŜÖfλyλyƎ λybdzŜyÖŜ 2Ŧ {KŜffΣ øK2 Kl·ă ăŜŜyƎℕŜl·ΰ Øl·fdzŜ 2Ŧ LJℕl·ÔəÔŜă fλℸŜ ΰKŜ ² D ² ! t λyΥℕŜŘdzÔλyƎ ΰKŜλℕ ℕŜLJdzΰl·ə2yl·f ℕλăℸ ø2ℕfŘøλŘŜΦ

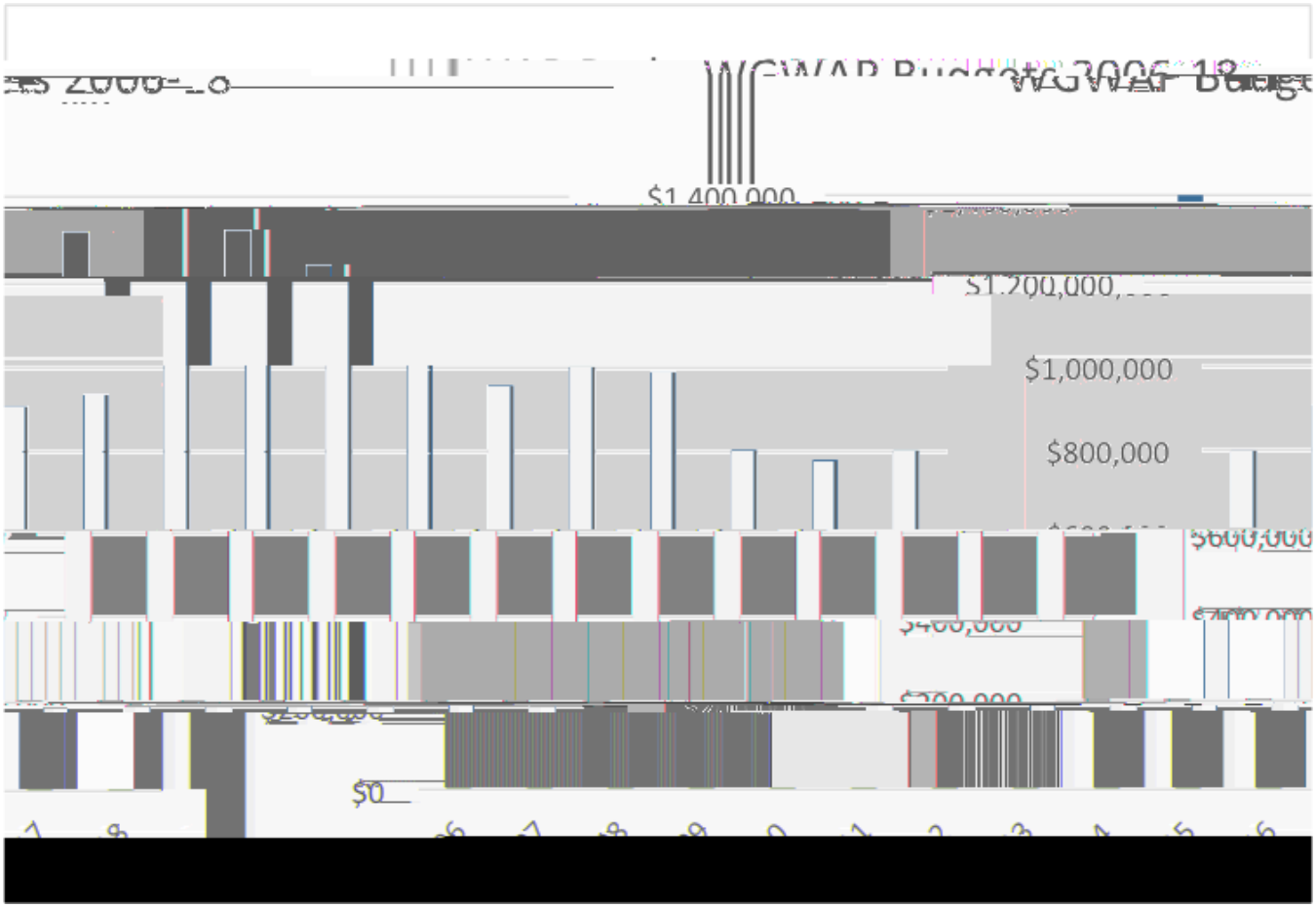


Figure 11. WGWAP Budgets 2006-18

. dzŘƎŜΰ ŘŜÖℕŜl·ăŜă Kl·ØŜ l·ũŜÖΰŜŘ {l·ℸKl·fλyΥ9yŜℕƎèŒă LJℕ2ƎℕI·ΥΥŜă ℕŜfl·ΰŜŘ ΰ2 ² ŜăΰŜℕyΥDℕl·è ² Kl·fŜă l·Öℕ2ăă ΰKŜ ō2l·ℕŘΦ Lyΰ2ΰl·fΣ ΰKŜ нлму ÖdzΥdzfl·əØŜ ōdzŘƎŜΰ 2Ŧ ΰKŜ W2λyΰ tℕ2ƎℕI·ΥΥŜΣ ΰKŜ ² D ² ! tΣ l·yŘ a a h tℕ2ƎℕI·ΥΥŜ λă fŜăă ΰKl·y pp̂ 2Ŧ ΰKŜ нлмп ÖdzΥdzfl·əØŜ ōdzŘƎŜΰΦ ¢KŜ tl·yŜf Kl·ă y2ΰŜŘ øλΰK Ö2yÖŜℕyΥŘℕ2LJă λyΥ ² D ² ! tΣ W2λyΰ tℕ2ƎℕI·ΥΥŜΣ l·yŘ a a h tℕ2ƎℕI·ΥΥŜ ōdzŘƎŜΰăΦ C2ℕ ŜÈl·ΥLJfŜΣ λyΥΰKŜ ΥŜŜəyƎ ℕŜLJ2ℕΰŰ Ŧ2ℕ ² D ² ! tπмт 2Ŧ нлмcΣ ΰKŜ tl·yŜf 2ōăŜℕØŜŘ ΰKl·ΰY

> *there was no assurance of further support for any of the work begun in 2016 on ecological monitoring and gray whale diet....Nor was it likely that the core WGWAP responsibility of popula t on assessment (see item 2.3) could be met in full in 2017 in view of expected programme budget reduc t ons and data availability.*[71]

[71] ℘ L¦ / bΣ нлмтΦ *Report of the Western Gray Whale Advisory Panel at its 17th mee t ng.* p. 40.

Legacy and Impact

¢KλĂ ĂŜŎə2ʏŜÈI·YλySă ű2 ØKI·ú ŜÈúŜyű úKŜ tI·ySfŭă 2dzúLJdzúă 2ØŜN λúă fλŦŜəYˆŜ KI·ØŜ fŜŘ ű2 úKŜ λyűŜyŘŜŘ 2dzúŎ2YˆŜă λʏ the long term.

Summary Findings

1. ¢KŜ ² D ² ! t KI·ă KŜfLJŜŘ {I·ʅKI·fλʏ9ySNƎè YˆλyλYˆλÎŜ λúă λYˆLJI·ŎűăƵ 2ʏ ² ŜăúŜNʏDNI·è ² KI·fŜă¢ ¢KŜ LJNλYI·Nè ØI·èă úKŜ ² D ² ! t KI·ă KŜfLJŜŘ {I·ʅKI·fλʏ9ySNƎè Ř2 ă2 λă ōè I·ŘØλăλyƎ I·ƎI·λyãű úKŜ Ŏ2yãúNdzŎə2ʏ 2Ŧ λyŦNI·ăúNdzŎűdzNŜ ŭKI·ú LJ2ăŜă úKŜ KλƎKŜăű NλăʅŭƵ ² ŜăúŜNʏDNI·è ² KI·fŜă óŜ¢Ǝ¢Σ I· LJλLJŜfλyŜ úKN2dzƎK úKŜ ŦŜŜŘλyƎ ƎN2dzyŘă 2N I· úKλNŘ 2ũăK2NŜ LJfI·ù2NʏˆúT λYˆLJN2ØλyƎ Yˆ2yλú2NλyƎ 2Ŧ ² ŜăúŜNʏDNI·è ² KI·fŜăΣ ŜăLJŜŎλI·ffè ŘdzNλyƎ LJ2úŜyəI·ffè KλƎK NλăʅŭƵ 2LJŜNI·ə2yã ădzŎK I·ă ăŜλăYˆλÕ ădzNØŜèăT NŜŘdzŎλyƎ úKŜ λYˆLJI·Ŏű 2Ŧ KλƎK NλăʅŭƵ 2LJŜNI·ə2yã ădzŎK I·ă ăŜλăYˆλÕ ădzNØŜèă 2ʏ ² ŜăúŜNʏDNI·è ² KI·fŜă úKN2dzƎK λYˆLJN2ØŜYˆŜyű 2Ŧ a a tăT I·yŘ λYˆLJN2ØλyƎ úKŜ dzyŘŜNăúI·yŘλyƎ 2Ŧ ² ŜăúŜNʏDNI·è ² KI·fŜ LJ2LJdzfI·ə2ʏŘèyl·YˆλŎă I·yŘ behaviour.
2. 9yƎI·ƎŜYˆŜyű λʏúKŜ ² D ² ! t KI·ă LJN2ØλŘŜŘ yƵúI·ōfŜ I·yŘ λYˆLJNŜăăλØŜ ōŜyŜŬúă ű2 {I·ʅKI·fλʏ9ySNƎè¢ă NŜLJdzűI·ə2y¢
3. 9ʏƵúKŜN fŜ=I·ŎèƵ2Ŧ úKŜy²Ď ĝ ! t λă λyŎNŜI·ăŜŘ úMdzăű ōŜúáŜŷʏűKŜ Ŏ2YfŜI·YeI·ŘŜhŜyŘŜyű ăŎλŜyəăúĝ¿Ō ăă Ř Ø I·yŘ Ŏ2yãŜNØI·ə2ʏ bDhă¢ ¢Kλă úNdzăű KI·ă ăfƵ2øfè ōŜŜyˆōdzλfű 2ØŜN úKŜ èŜI·NăΣ I·yŘ KI·ă KI·Ř YˆI·yè ăŜűōI·Ŏʅă¢ b2yŜúKŜfŜăăΣ úNdzăű λă ŘλŶŎdzfú ű2 ŜI·NʏˆōdzΰŜI·ăè ű2 ălJdzI·yŘŜN ! fűK2dzƎK λyŎNŜI·ăŜŘ úNdzăű λă 2yŜ 2Ŧ úKŜ fŜƎI·ŎλŜă 2Ŧ úKŜ ² D ² ! t LJN2ŎŜăăΣ I· ŦI·fűŜNλyƎ λʏˆŜλúKŜN úKŜ LJN2ŎŜăă 2N {I·ʅKI·fλʏ9ySNƎè¢ă λYˆLJfŜYˆŜyűI·ə2ʏ2Ŧ ² .

Lΰ λă ŎfŜI·N ű2 dză úKI·úΣ 2ØŜN úKŜ fλŦŜ 2Ŧ úKŜ tI·ySf LJN2ŎŜăăΣ úKŜ ² D ² ! t KI·ă KI·Ř I· ăλƎyλŬŎI·yű I·yŘ LJ2ăλəØŜ λYˆLJI·Ŏű 2ʏúKŜ Ŏ2yãŜNØI·ə2ʏ2Ŧ ² ŜăúŜNʏDNI·è ² KI·fŜă¢ hØŜNI·ffΣ úKŜ ² ŜăúŜNʏDNI·è ² KI·fŜ LJ2LJdzfI·ə2ʏKI·ă ōŜŜyˆλyŎNŜI·ăλyƎ I·ú нπp̂ LJŜN èŜI·N 2ØŜN úKŜ fI·ăű мл èŜI·NăΣ ōdzΰ ăΰI·ʅŜK2fŘŜNă I·ƎNŜŜ úKI·ú λΰ ăλ λYˆLJ2ăăλōfŜ ű2 I·ğNλōdzΰŜ úKŜ λyŎNŜI·ăŜ ű2 ² D ² ! t I·ŎəØλəŜăΣ 2N ű2 ʅy2ø ØKŜΰKŜN úKŜ λyŎNŜI·ăŜ ø2dzfŘ KI·ØŜ ōŜŜyˆƎNŜI·ΰŜN øλúK2dzΰ 2λf I·yŘ ƎI·ă ŘŜØŜf2LJYˆŜyű¢

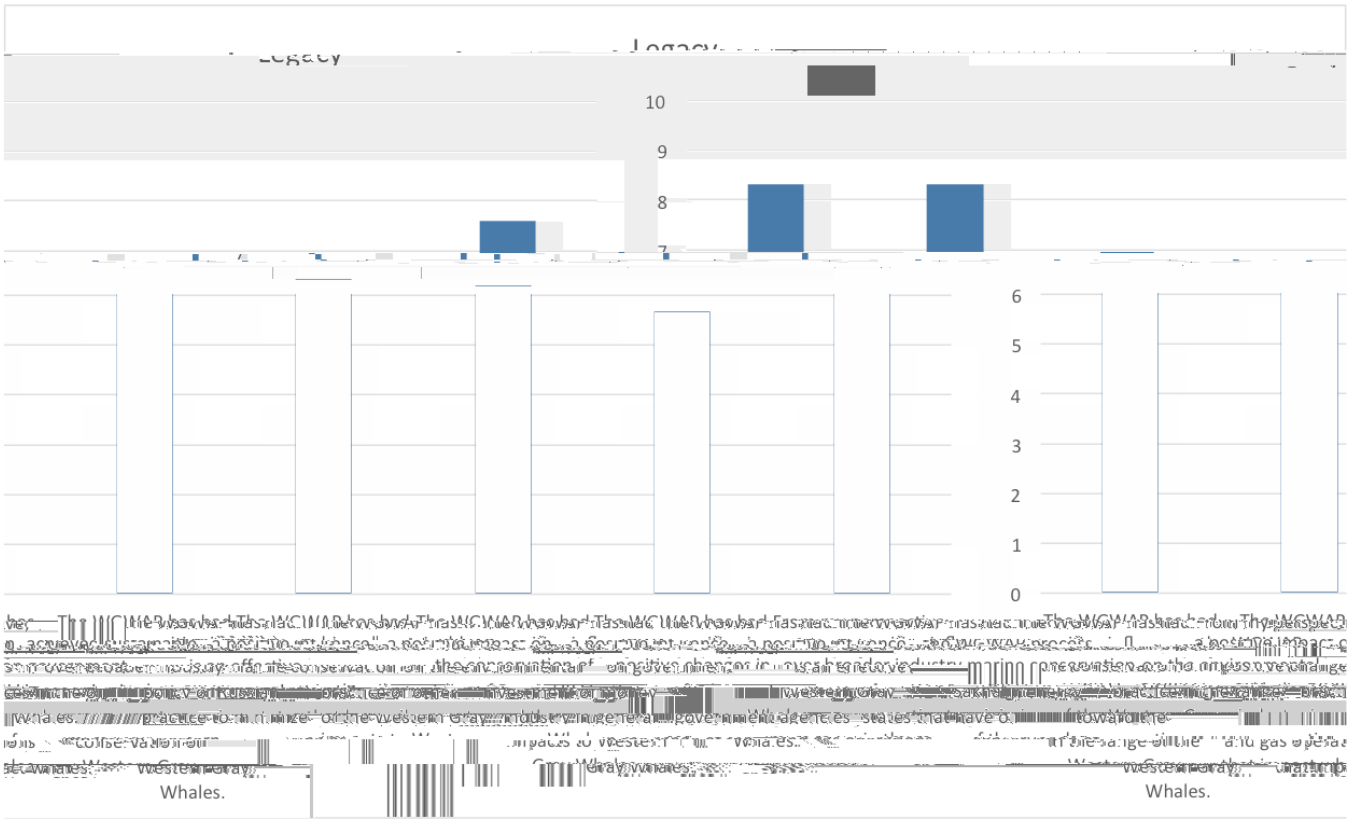
² KŜyˆúKŜ LJN2ŎŜăă ōŜƎI·yΣ Ŏ2yãŜNØI·ə2ʏ bDhă λʏ{I·ʅKI·fλyΣ λʏwdzăăλI·Σ I·yŘ λyűŜNyl·ə2yl·ffè NI·ăŜŘ YˆI·²2N 2ō²ŜŎə2yã ű2 2λf I·yŘ ƎI·ă ŘŜØŜf2LJYˆŜyű 2ũăK2NŜ 2Ŧ {I·ʅKI·fλy¢ ¢KŜăŜ Ŏ2yŎŜNyã ØŜNŜ λybdzŜyŎλyƎ úKŜ ØŜNè Øλ I·ōλfűê 2Ŧ ŘŜØŜf2LJYˆŜyű 2Ŧ úKŜ {I·ʅKI·fλyπн LJN2²ŜŎΰΣ ØKλŎK ySŜŘŜŘ λyűŜNyl·ə2yl·f Ůyl·yŎλyƎ ŦN2Yˆ LJdzōfλŎ I·yŘ LJNλØI·ΰŜ ōI·yʅă ű2 LJN2ŎŜŜŘ¢ /2yãŜNØI·ə2ʏ bDhă NI·λăŜŘ Ŏ2yŎŜNyã I·ō2dzΰ ØKŜΰKŜN Ůyl·yŎλyƎ 2Ŧ úKŜ {I·ʅKI·fλyπн LJN2²ŜŎΰ ø2dzfŘ Øλ2fI·ΰŜ

ŭKŜ ŜyØNN2yYˇŜyűl·f l·yŘ ă2ŎƛI·f ăűl·yŘI·NŘă 2Ŧ ŭKŜăŜ ŬyYl·yŎŜ ƛyãəúdzə2yãΦ ¢KŜè dzăŜŘ LJŜəə2yãΣ ƛyűŜNyYl·ə2yYl·f YˇŜŘƛI·Σ
l·yŘ ŜØŜyˇl·yˇƛybI·űl·ōfŜ øKI·fŜ I·ű ŭKŜ Ŏ2NLJ2NI·ûŜ KŜI·ŘIjdzI·NûŜNă 2Ŧ ōl·yˇ[ă ƛyˇ[2yŘ2yˇl·yŘ {øƛúÎŜNfl·yŘ ű2 LJdzű LJdzōfƛŎ

² ŜăúŜℕyϒDℕI·è ² KI·fŜăT ℕŜăLJ2yŘŜyΰă ℕI·úŜŘ úKλă IjdzŜăə2ϒI· ăúℕ2yΞ yφол 2dzΰ 2Ŧ I· LJ2ăăλōfŜ ăŎ2ℕŜ 2Ŧ млφ72 LyΰŜℕŜăəyΞfȅΣ úKŜ ăúℕ2yΞŜăú ŜyŘ2ℕäŜϒŜyΰ Ŧ2ℕ úKλă LJ2ăλə2ϒŎI·ϒŜ Ŧℕ2Ϋ ăŎλŜyəăúă øK2 I·ℕŜ y2ú ϒŜϒōŜℕă 2Ŧ úKŜ tI·ySfΣ øK2 ℕI·úŜŘ úKλă IjdzŜăə2ϒI· ØŜℕȅ KλΞK φφмпφ

Impacts on Sakhalin Energy

Ƶű₭ŜℕăűI·ű$ă ű₭I·ú ₭I·ØŜ Ƶ⅄f I·yŘ ∃I·ă ƵLJŜℕI·ə2yã ű₭I·ú ⅄ƳLJI·Ŏű ø₭I·fŜă øI·ă ℕI·ú$Ř I·ű p¢cy⁰⁷⁷



l·fă2 ŬyŘλyƎ λű Kl·₪ŘŜ₪ ű2 ƨdzăəŦè ŜÈLJŜyãŜă ű2 ăKl·₪ŜK2fŘŜ₪ă 2ƴ øKl·fŜ ₪ŜăŜl·₪ŎK l·yŘ űK₪Ŝl·ú Yˆλə∃l·ə2y₡ ¢KŜ ₪Ŝădzfű λă ŘŜŎfλyλyƎ ōdzŘƎŜűă Ŧ2₪ ō2űK úKŜ ² D ² ! t l·yŘ úKŜ W2λyű t₪2Ǝ₪l·YˆYˆŜƩ øKλŎK Kl·ØŜ λyŎ₪Ŝl·ăŜŘ úKŜ ŘλŶÒdzfűè Ŧ2₪ úKŜ tl·yŜf ű2 LJ₪2ŘdzŎŜ ăŎλŜyəŬŎl·ffè ă2dzyŘ ₪ŜŌ2YˆYˆŜyŘl·ə2yã λyˆűKŜ l·ōăŜyŎŜ 2Ŧ ădzŶŎλŜyű Řl·úl·₡79

wλă] 2Ŧ dzyŘŜ₪ŜăəYl·əyƎ ōdzŘƎŜűl·₪è ₪Ŝljdzλ₪ŜYˆŜyűă ű2 ŘŜŧØŜ₪ úKŜ tl·yŜŧă ø2₪]Y Some industry stakeholders note that they can hire their own consultants to do technical work without the input of the Panel. Yet this loses sight 2Ŧ úKŜ Ŧl·Ŏŭ úKl·ú úKŜ ŦdzyŘl·YˆŜyűl·f LJdz₪LJ2ăŜ 2Ŧ úKŜ ² D ² ! t λă y2ű ƨdzăű ű2 LJ₪2ØλŘŜ ăŎλŜyəŬŎ l·ŘØλŎŜΣ ₪l·úKŜ₪Σ ű2 LJ₪2ØλŘŜ it in a way that is widely seen as independent and reliable. Declining budgets may put this independence and reliability at risk.

wλă] 2Ŧ dzyŘŜ₪ŜăəYl·əyƎ ól·yŘ Y2₪Ŝ ₪l·₪Ŝfè 2ØŜ₪ŜăəYl·əyƎó úKŜ əYˆŜ ySŎŜăăl·₪è ű2 LJ₪2ŘdzŎŜ tl·yŜf Ŏ2yŎfdzăλ2yã l·yŘ ₪ŜŎ2YˆYˆŜyŘl·ə2yãY ¢Kλă ₪λă] λă ₪Ŝfl·úŜŘ ű2 úKŜ ōdzŘƎŜű ₪λă]Σ l·yŘ Kl·ă ădz₪Ŧl·ŎŜŘ ăŜØŜ₪l·f əYˆŜă l·ă {l·]Kl·fλy˜9yŜ₪Ǝè Kl·ă ōŜŜyˆdzyl·ōfŜ ű2 LJ₪2ØλŘŜ λyŦ2₪YˆYˆl·ə2yˆű2 úKŜ tl·yŜf øλűK ădzŶŎλŜyű əYˆŜ l·yŘ λyˆl·LJLJ₪2LJ₪λl·úŜ Ŧ2₪YˆYˆl·ú Ŧ2₪ tl·yŜfłλăűă ű2 ₪ŜØλŜø l·yŘ l·yl·fèăŜ λűC2₪ λűă LJl·₪úΣ L¦/b Kl·ă Yˆl·yl·ƎŜŘ úKλă ₪λă] ljdzλűŜ øŜft ű2 LJ₪2űŜŎű úKŜ ₪ŜLJdzűl·ə2yˆ2Ŧ úKŜ ² D ² ! tΣ y2ű̂l·ōfè øKŜyˆL¦/b ăűl·ũ ŦŜfű 2ōfλƎŜŘ ű2 Ŏl·yŎŜf l· ² D ² ! t YˆŜŜəyƎ λyˆ₪ŜăLJ2yãŜ ű2 úKŜ fl·Ŏ] 2Ŧ λyŦ2₪YˆYˆl·ə2yˆ from the company.

hØŜ₪l·ftΣ λű λă l·ă λYˆLJ2₪úl·yű ű2 dzyŘŜ₪ăűl·yŘ øKl·ú l·yˆL{¢! t λă l·ă øŜft l·ă øKl·ú λű λă y2ű₡ ¢KŜ ² D ² ! t Kl·ă y2ű ăŜű λűăŜfŦ dzLJ l·ă l· ăűl·]ŜK2fŘŜ₪ ŜyƎl·ƎŜYˆŜyű 2₪ Ŏ2ybλŎű ₪Ŝă2fdzə2yˆYˆŜŎKl·yλăYˆΣ ₪l·úKŜ₪ l·ă l· ō2Řè ű2 LJ₪2ØλŘŜ dzăŜŦdzf ăŎλŜyəŬŎ l·ŘØλŎŜ ű2 úKŜ Ô2YˆLJl·yè₡ I l·ØλyƎ ăl·λŘ úKl·úΣ λű Kl·ă λyˆŦl·Ŏű Ř2yŜ YˆdzÔK ű2 ō₪λyƎ ăűl·]ŜK2fŘŜ₪ă ű2ƎŜűKŜ₪ λyˆŘλl·f2ƎdzŜ l·yŘ ŬyŘ Ŏ2YˆYˆ2yˆƎ₪2dzyŘ øKŜ₪Ŝ fλğtŜ ŜÈλăúŜŘ ōŜŦ2₪Ŝ₡

/l·ăŜ {űdzŘè Y !ăăŜăăλyƎ úKŜ .ŜySŬűă 2Ŧ ² D ² ! tY /2YˆLJl·₪λyƎ {l·]Kl·fλy˜9yŜ₪Ǝè l·yŘ 9b[

{l·]Kl·fλy˜9yŜ₪Ǝè l·yŘ 9b[ō2Ł ű L· ş Ů Ω M

əϒŜăΣ ă2ϒŜ ƛyŘdzăúℕè 2ōăŜℕØŜℕă ŦŜfű űKIˑú űKŜ ăÕƛŜyəŬÕ ∂dzŘƎŜϒŜyűă ØŜℕŜ 2ØŜℕfè I·ÕI·ŘŜϒƛÕΣ ōdzű t I·yŜfƛăúă LJ2ƛyűŜŘ ű2 ØƛŘŜ ƎI·LJă ōŜűØŜŜyˊűKŜ ăÕƛŜyəŬÕ ŜØƛŘŜyÕŜ I·ØI·ƛfI·ōfŜ Ŧ2ℕ űKŜƛℕ ℕŜÕ2ϒϒŜyŘI·ə2yã I·yŘ ØKI·ű Ø2∂dzfŘ ōŜ ℕŜIjdzƛℕŜŘ Ŧ2ℕ I·yˊI·ÖI·ŘŜϒƛÕ ƛyØŜăəƎI·ə2y₱

/ 2yƀƛÕűă 2Ŧ LyűŜℕŜăű ς ¢2 ϒI·ƛyűI·ƛyˊƛyŘŜLJŜyŘŜyÕŜ I·yŘ I·Ø2ƛŘ Õ2yƀƛ Õű 2Ŧ ƛyűŜℕŜăúăΣ t I·ySfƒƛăúă KI·ØŜ ăűŜŜℕŜŘ ÕfŜI·ℕ 2Ŧ Ø2ℕ]ƛyƎ Ŧ2ℕ I·yê Õ2ϒLJI·yê 2ℕ LJI·ℕəÕƛLJI·əyƎ ƛyˊbDh ÕI·ϒLJI·ƛƎyã₱ ! ű űKŜ ăI·ϒŜ əϒŜΣ űKŜ Ŝyəℕ$ LJℕ2ÕŜää ƛă ōI·ăŜŘ 2yˊŦdzyŘƛyƎ ōè {I·]KI·fƛyˊ9yŜℕƎèΣ ØKƛÕK ű2 ă2ϒŜ ϒI·]Ŝă ƛű I·LJLJŜI·ℕ űKI·ű űKŜ t I·ySf ƛă ōŜK2fŘŜyˊű2 űKŜ Õ2ϒLJI·yê₱ Lű ƛă ŘƛŶÕdzfű ű2 ƛϒI·ƎƛyŜ ØKI·ű I·fűŜℕyI·əØŜă űKŜℕ$ I·ℕ$ ű2 űKƛă Ŧ2ℕϒˊ 2Ŧ ŦdzyŘƛyƎ ƛyˊI·yˊƛyŘdzăúℕƛI·f 2LJŜℕI·ə2yˊ2Ŧ űKƛă ăƛÎŜΣ ă2 űKI·ű ϒI·è ăƛϒLJfè ōŜ I· ŦI·Õű 2Ŧ fƛŦŜ űKI·ű ÕℕƛəÕă ØƛffKI·ØŜ ű2 fƛØŜ ØƛúK₱ ² KƛfŜ űKŜ fŜØŜℕI·ƎŜ 2Ŧ fŜyŘŜℕă ϒŜI·yã űKI·ű űKŜ Õ2ϒLJI·yê ÕI·yŸ2ű ∂dzăű ŘℕƧLJ űKŜ t I·ySfΣ űKŜ Õ2ϒLJI·yê ÕI·yˊℕŜŘdzÕŜ ƛúă ōdzŘƎŜű₱ DƛØŜyˊℕŜŘdzÕə2yã ƛyˊűKŜ ² D ² ! t ōdzŘƎŜűă ƛyˊℕŜÕŜyű èŜI·ℕăΣ úKƛă Õ2yŸŜℕyˊŦdzℕúKŜℕ dzyŘŜℕăÕ2ℕŜă űKŜ ySŜŘ Ŧ2ℕ úℕI·yãLJI·ℕŜyű ŘƛăÕdzăăƛ2yã ōŜűØŜŜyˊ{I·]KI·fƛyˊ 9yŜℕƎèΣ L ¦ / bΣ I·yŘ t I·ySf ϒŜϒōŜℕă I·ō2dzű ōdzŘƎŜű ySŜŘă₱

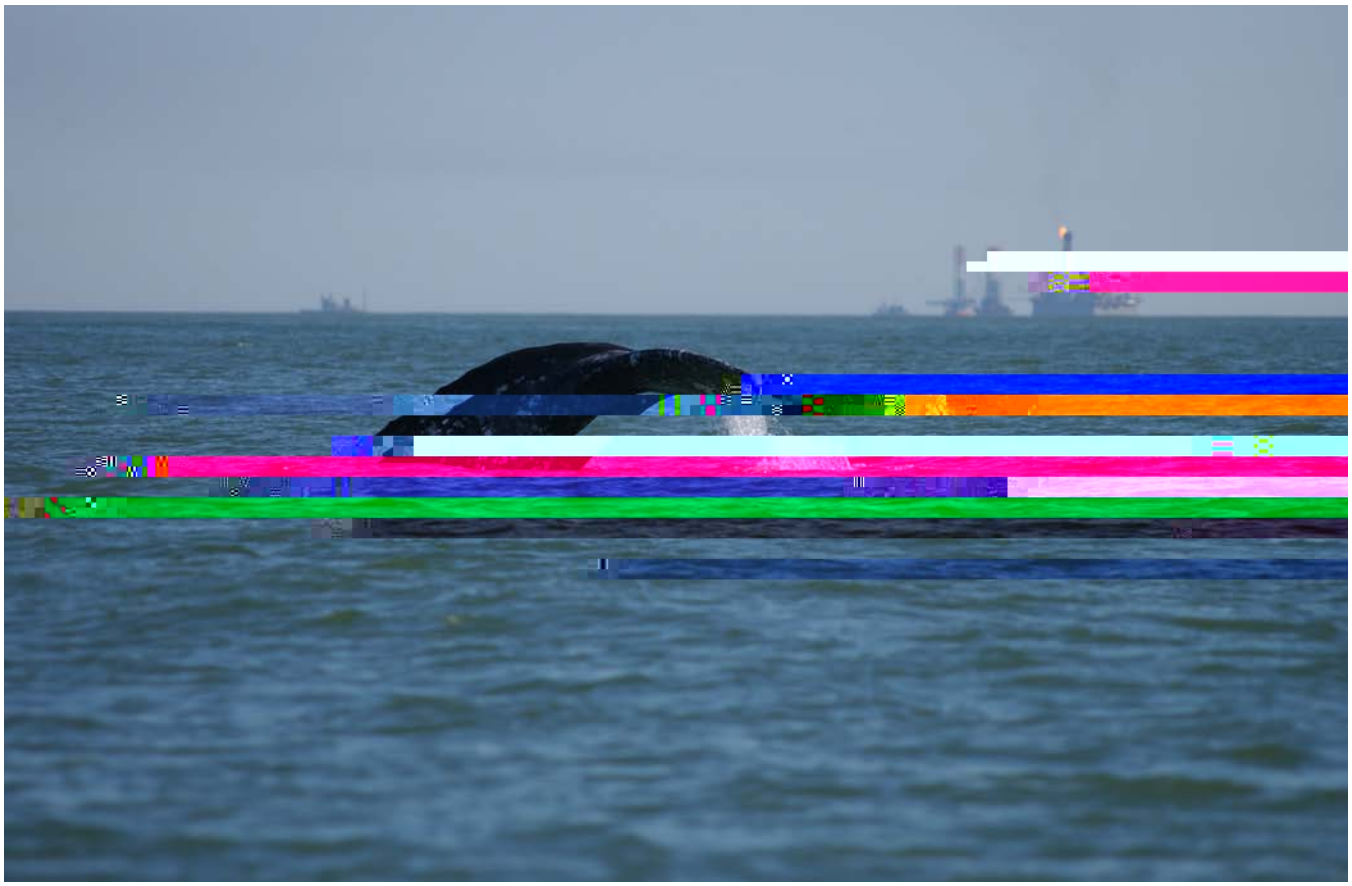


Photo by Dave Weller

¢KŜ ŎdzNNŜyŰ ¢hw Ŧ2N ŰKŜ ² D ² ! t fl·ăŰă ŰKN2dzƎK нлнм! ! fă2 ƛy нлнмΣ {l·ʅKl·fƛy 9yŜNƎè ƛă ŜÈLJŜŎŰŜŘ ű2 Ŧdzffè NŜLJl·è ŰKŜ f2l·yã dzyŘŜN ØKƛŎK ƛŰ Kl·ă ōŜŜyNŜIjdzNNŜŘ ű2 Yl·ƛyŰl·ƛyŰKŜ ² D ² ! t bdzYŜN2dză ƛyŰŜNØƛŜØŜŜă ŘƛăŎdzăăŜŘ ŰKŜNN ōŜtƛŜŦ ŰKl·úΣ ØƛŰK2dzŰ ŰKŜ ŰŜNYă 2Ŧ ŰKŜ f2l·yŰ2 Ŏ2YLJŜf ădzLJLJ2NŰ 2Ŧ ŰKŜ ² D ² ! t ōè {l·ʅKl·fƛy 9yŜNƎÈΣ ŰKŜè ŜÈLJŜŎŰ ŰKŜ company to stop funding it. Just a small number of interviewees indicated that they thought Sakhalin Energy Ø2dzfŘ Ŏ2yəy¢zŜ ű2 ădzLJLJ2NŰ ŰKŜ ² D ² ! t LŰ ƛă ƛYLJ2NŰl·yŰ ű2 y2ŰŜΣ K2ØŜØŜNΣ ŰKl·ú dzyŘŜN ŰKŜ ŰŜNYă 2Ŧ {l·ʅKl·fƛy 9yŜNƎèă l{9{! tΣ ƛŰ Kl·ă Ŏ2YYƛğŜŘ ű2 ădzLJLJ2NŰ ŰKŜ ² D ² ! t dzyəf ădzŎK əYŜ l·ă NŜØƛŜØ ōè ŰKŜ /2YLJl·yê l·yŘ [ŜyŘŜNă NŜădzfŰă ƛyl·ƎNŜŜYŜyŰ ŰKl·ú ŰKƛă ƛă y2 f2yƎŜN l·LJLJN2LJNƛl·ŰŜ¢é Ly2ŰKŜN Ø2NŘăΣ ŰKŜ l{9{! t Ŏl·ffă Ŧ2N ŰKŜ ² D ² ! t dzyəf l· Ŧ2NYl·f l·ƎNŜŜYŜyŰ ƛă NŜl·ŎKŜŘ ŰKl·ú ƛŰ ƛă y2 f2yƎŜN ySŜŘŜŘΣ ØKƛŎK Yl·è 2N Yl·è y2ú ! t dzyʹï ʹ┐ NŰ 9yŜ ¯D ² ! t ōŜtƛŜ Σ ŰK Ł ═ ═ ŜNŸŒă) Yʹ ŭ Ş ═ Ł· Ø ú

I 2ØŜØŜℕΣ ℕŜăLJ2yŘŜyűă I·tă2 ăK2ØŜŘ I· KŜI·tűKè ăÕŜLJəÕλăY űKI·ű {I·ʅKI·tλY9yŜℕ∃è øλtt Õ2yəyűzŜ ű2 λYLJtŜYŜyű ōŜăű LJℕI·ÕəÕŜă I·ĐŜℕ нлнмΣ ℕŜ∃I·ℕŘtŜää 2Ŧ űKŜ ŜÈλăűŜyÕŜ 2Ŧ űKŜ ² D ² ! tΦ wŜăLJ2yŘŜyűă ℕI·ûŜŘ ûKλă IjdzŜăə2Y I· cΦнмΦ[82] b2űI·ōfè űKŜ ∃ℕŜI·ûŜăű I·Y2dzyű 2Ŧ ăÕŜLJəÕλăY ÕI·YŜ Ŧℕ2Y ăűI·ʅŜK2fŘŜℕ ∃ℕ2dzLJä øK2 KI·ØŜ KI·Ř ûKŜ Y2ăű ŘλℕŜÕű ŜyƎI·ƎŜYŜyű øλûK {I·ʅKI·tλY9yŜℕ∃è 2Y ² ŜăűŜℕyY DℕI·è ² KI·fŜ λăădzŜăY t I·ySf YŜYōŜℕă ℕI·ûŜŘ ûKŜλℕ Õ2yŮŘŜyÕŜ I·ű 2yfè oΦyo 2dzű 2Ŧ млT L ¦ / b ăűI·ũ ℕI·ûŜŘ ûKŜλℕ Õ2yŮŘŜyÕŜ I·ű 2yfè пΦoyΦ

CλyI·ffè ădzℕØŜè ℕŜăLJ2yŘŜyűă ℕI·ûŜŘ ûKŜ IjdzŜăə2Y2Ŧ øKŜűKŜℕ ûKŜ ² D ² ! t ăK2dzfŘ Õ2yəyűzŜ I·ĐŜℕ нлнм I·ű I· ăúℕ2yƎ 7.88.[83] ! yãøŜℕă ű2 ûKλă IjdzŜăə2Y øŜℕŜ ℕI·ûŜŘ ûKŜ KλƎKŜăű ōè ŜÈűŜℕyI·f ăÕλŜyəăűă óфΦyú I·yŘ t I·ySf YŜYōŜℕă óфΦмпúΣ I·yŘ f2ØŜăű ōè {I·ʅKI·tλY9yŜℕ∃è I·yŘ 2ûKŜℕ 2λf I·yŘ ∃I·ă Õ2YLJI·yλŜă óō2ûK cΦoúΦ

2Ŧŏŭ2ŇăøK2KIŏŜʎYLJIŏŭă2y²ŜăŭŜŇyDŇIè²KIfŜăΣʎyŎfdzŘʎyƎōŭK2ʎfIyŘƎIăŏ2YLJIyʎŜăIyŘŬăKŜŇʎŜăŏ2YLJIyʎŜăΣøK2ø2dzfŘōŜŇŜIjdzŇŜŘŭ2LJIŇəŎʎLJIŭŜΦ¢KŜwdzăăʎIy3ƎØŜŇyYŜyŭŏ2dzfŘŜʎŭKŜŇŏ2ØŜŇōdzŘƎŜŭŇŜIjdzŇŜYŜyŭă2ŇŇŜIjdzŇŜLJIèYŜyŭă2ŦŏŸLJIyʎŜăIŏəØŜ2yŭKŜ{I¦KIfʎyăKŜf₹{KIŇŜŘōdzŘƎŜŭŏ2ăŭăIŏŇ2ăă

Scenario 2:					

4.

hØŜNl·ff !ăăŜăăY ŜyŭI·yŘ wŜŎ2Y Y ŜyŘI·ə2yã

¢2 Ŏ2yŎfdzŘŜΣ ŭKŜ ¢hw ŦŻN ŭKŜ ŜØI·fdzI·ə2y l·ă] ŦdzyŘI·Y ŜyŭIl·f IjdzŜăə2yã ŭKI·ŭ I·yê ŜØI·fdzI·ə2y ăK2dzfŘ I·ŘŘNŜăă I·ă I·y overall assessment:

- ¢2 ØKl·ŭ ŜÈŭŜyŭ KI·ØŜ ² D ² ! t l·ŎəØλəŜă NŜI·ŎKŜŘκădzNLJI·ăăŜŘ λyŭŜyŘŜŘ ŘŜfλØŜNèT
- ¢2 ØKl·ŭ ŜÈŭŜyŭ KI·ă ŭKŜ tI·ySf Y ŜŭκădzNLJI·ăăŜŘ λúă λyŭŜyŘŜŘ LJN2ŻŜŎŭ 2dzúŎ2Y Ŝă 2Ŧ λúă ¢hw 2Ŧ ŎKI·yƎλyƎ Ŏ2Y LJI·yê LJNI·ŎəŎŜT I·yŘ
- ¢2 ØKl·ŭ ŜÈŭŜyŭ KI·ă ŭKŜ tN2ŻŜŎŭ fŜØŜNI·ƎŜŘ I·ŘŘλə2yl·f NŜă2dzNŎŜă ŭ2ØI·NŘă ŭKŜ ăI·Y Ŝ 2ōŻŜŎəØŜăK

¢2 I·ăăŜăă ŭKŜ ŬNăŭ ŭØ2 IjdzŜăə2yãΣ ØŜ NŜØλŜØŜŘ ŭKŜ tI·ySfλă ŜũŜŎəØŜySăă λy I·ŎKλŜØλyƎ λúă Ǝ2I·f I·yŘ LJNλY I·Nè 2ōŻŜŎəØŜăΣ ØKλŎK ØŜ KI·Ř ƎŜySNI·ŭŜŘ I·ă I·y *implicit* ¢KŜ2Nè 2Ŧ /KI·yƎŜ ŭKI·ŭ ăŭI·]ŜK2fŘŜNă I·NŜ 2LJŜNI·əyƎ ØλúK℗ bŻűŜ ŭKI·ŭ ăλyŎŜ ŭKŜNŜ λă yŻ ŜÈLJfλŎλú ¢KŜ2Nè 2Ŧ /KI·yƎŜ ç ŭKI·ŭ λăΣ I·y dzyŘŜNăúI·yŘλyƎ 2Ŧ K2Ø ŭKŜ ² D ² ! t λă ădzLJLJ2ăŜŘ ŭ2 I·ŎKλŜØŜ λúă Ǝ2I·fă ç ØŜ ƎŜySNI·ŭŜŘ ŭKλă λY LJfλŎλú ØλŜØ ŭKI·ŭ λyŎ2NLJ2NI·ŭŜă ŭKŜ LJŜNăLJŜŎəØŜă 2Ŧ I·ff ăúI·]ŜK2fŘŜNă λy ŭKŜ LJN2ŎŜăă℗ Lú Ǝ2Ŝă ōŜè2yŘ ŭKŜ ŦdzyŎə2yλyƎ 2Ŧ ŭKŜ tI·ySf λúăŜfŦ ŭ2 dzyŘŜNăúI·yŘ ŭKŜ λyØ2fØŜY Syŭ 2Ŧ I·ff ŭKŜ ăúI·]ŜK2fŘŜNă in the process.

DƏI·fY /2yãŜNØI·ə2y l·yŘ LJ2LJdzfI·ə2y NŜŎ2ØŜNè 2Ŧ ² ŜăúŜNy DNI·è ² KI·fŜă

hōŻŜŎəØŜăY

1. aλyλYλÎI·ə2y 2Ŧ λY LJI·ŎúăŦN2Y KdzY l·y l·ŎəØλəŜă 2y ² ŜăúŜNy DNI·è ² KI·fŜăΣ LJNλyŎλLJI·ffê 2λf I·yŘ ƎI·ă ŘŜØŜf2LJY ŜyŭT
2. /2Y LJfλI·yŎŜ 2Ŧ {I·]KI·fλy 9yŜNƎè ØλúK ŭKŜ ŜyØλN2yY Syŭl·f ƎdzλŘŜfλySă 2Ŧ fŜyŘŜNăT
3. wŜŘdzŎə2y 2Ŧ NŜLJdzúI·ə2yl·f NλăŋŭƏ2 {I·]KI·fλy 9yŜNƎè I·yŘ λyãəúdzə2yã I·ăă2ŎλI·ûŜŘ ØλúK ŭKŜ LJN2ŻŜŎûΣ λyŎfdzŘλyƎ lenders.

/2yãŜNØI·ə2y I·yŘ t2LJdzfI·ə2y wŜŎ2ØŜNèY hØŜNI·ffΣ ØŜ ōŜfλŜØŜ ŭKI·ŭ ŭKŜ ² D ² ! t KI·ă λY LJN2ØŜŘ Ŏ2yãŜNØI·ə2y I·yŘ NŜŎ2ØŜNè 2Ŧ ² ŜăúŜNy DNI·è ² KI·fŜă℗ 9ØλŘŜyŎŜ ăK2Øă ŭKI·ŭ ² ŜăúŜNy DNI·è ² KI·fŜ ydzY ōŜNă I·NŜ ƎNI·ŘdzI·ffê λyŎNŜI·ăλyƎ℗ !fűK2dzƎK ydzY ōŜNă 2Ŧ DNI·è ² KI·fŜă λy ŭKŜ I·NŜI· 2ũăK2NŜ 2Ŧ {I·]KI·fλy KI·ØŜ ƎNI·ŘdzI·ffê λyŎNŜI·ăŜŘΣ tI·ySfλăúă y2ŭŜ ŭKI·ŭ λú λă λY LJ2ăăλōfŜ ŭ2 ăI·è ØλúK ŎŜNúI·λyúè λŦ ƎNŜI·ûŜN ydzY ōŜNă I·NŜ I· NŜădzfű 2Ŧ ŎKI·yƎŜŘ Ŏ2Y LJI·yê LJNI·ŎəŎŜă 2N λŦ ŭKŜ λyŎNŜI·ăŜ Ø2dzfŘ KI·ØŜ ōŜŜy ŜØŜy ƎNŜI·ûŜN λy ŭKŜ I·ōăŜyŎŜ 2Ŧ 2λf I·yŘ ƎI·ă I·ŎəØλúè℗ ² Ŝ ŬyŘ ŭKI·ŭ ŭKŜ ² D ² ! t KI·ă Ŏ2yúNλōdzûŜŘ λy Y ŜI·yλyƎŦdzf ØI·ëă ŭ2 Yλyλ Y λÎλyƎ λY LJI·ŎúăŦN2Y 2ũăK2NŜ 2λf I·yŘ ƎI·ă ŘŜØŜf2LJY ŜyŭΣ 2y ² ŜăúŜNy DNI·è ² KI·fŜăΣ ōdzû Ŏ2yŎŜNyã NŜY I·λy ØKŜúKŜN ōŜăú LJNI·ŎəŎŜă ŭ2 Yλyλ Y λÎŜ λY LJI·ŎúăØλffōŜ ădzăúI·λyŜŘ λy ŭKŜ ŦdzűdzNŜ℗

² Ŝ ōŜfλŜØŜ ŭKI·ŭ 2ØŜNI·ffΣ ŭKŜ ² D ² ! t KI·ă]ŜLJû I·yŘ Y I·λyúI·λyŜŘ I·ğSy ə2y I·yŘ 2ØŜNăλƎKű 2y ŭKŜ λăădzŜ 2Ŧ ² ŜăúŜNy DNI·è ² KI·fŜăΣ ØKλŎK KI·ă ōŜŜy ØI·fdzI·ōfŜ ŭ2 ŭKŜ Ŏ2yãŜNØI·ə2y I·yŘ LJ2LJdzfI·ə2y NŜŎ2ØŜNè 2Ŧ ŭKŜ ăLJŜŎλŜă℗ ! ă Ŧ2N fŜØŜNI·ƎλyƎ I·ŘŘλə2yl·f NŜă2dzNŎŜăΣ ŭKŜNŜ KI·ă ōŜŜy ă2YŜ Yλyλ Y I·f ădzŎŎŜăă λy fŜØŜNI·ƎλyƎ 2ŭKŜN FdzyŘăΣ λy ŭKŜ Ŧ2N Y 2Ŧ *pro bono* Ŏ2yúNλōdzə2yã 2Ŧ əYŜ ōè ă2YŜ tI·ySf YŜY ōŜNă I·yŘ ! ăă2ŎλI·ûŜ {ŎλŜyəăúăΣ I·Ŏljdzλăλə2y 2Ŧ Þcл∑лллл ŦN2Y ¦ b5t ŭ2 LJN2ŘdzŎŜ ŭKŜ tNλyŎλLJfŜă I·yŘ DdzλŘŜfλySă Ř2ŎdzY ŜyŭΣ I·yŘ dzăŜ 2Ŧ ăI·ØλyƎă λy FdzyŘλy Ǝ 2y ă2Y Ŝ fλyŜ ÅûŜY ă ŭ2 Ŏ2yŘdzŎŭ I·y I·yl·fèăλă 2Ŧ NλăŋŦN2Y Syŭl·yƎfŜ Y Ŝyŭ℗ ! ű ŭKŜ ăI·Y Ŝ əY ŜΣ ŭKŜ ² D ² ! t KI·ă fŜØŜNI·ƎŜŘ λúă 2Øy ŜÈLJŜNəăŜ I·yŘ ădzLJLJ2NŭŦN2Y 2ŭKŜNă ŭ2 ŘNI·D I· / a t Ŧ2N ² ŜăúŜNy DNI·è ² KI·fŜă I·yŘ I· aŜY 2NI·yŘdzY 2Ŧ /2ŻLJŜNI·ə2y I·Y 2yƎ Ł I·

! nnex 1. References

.№2øyŜftΣ wφ [φΣ Ŝű l·fφΣ нлмлφ /2yãŜ№Ø1·ə2ƴ ttl·yƴ₮2№ ² ŜăúŜ№yƴb2№ûK t l·ŎλŮŎ D№l·è ² Kl·fŜă ó9ăŎK№λŎKəʤă №2ōʤăúʤăú 5w ! CΦφ

L ² /Σ L ¦ / bΣ yŘ¢ wŜŘdzŎλyƎ ℕλă]ă ű2 ǿŜăűŜℕy´ƎℕI·è ǿKI·fŜă ₣ℕ2Y´ 2λf I·yŘ ƎI·ă I·ŎəØλəŜă ōè ŘŜØŜf2LJλyƎ I· Y´2yλű2ℕλyƎ I·yŘ Y´λəƎI·ə2y´LJℕ2ƎℕI·YYŜ¢

YyλÎKyλ]2Ø∑ !¢Σ ! Y´Ŝəăű2ØI·Σ [¢Σ tI·]KI·f2Ø∑ !¢Σ {λLJI·èf2ØI·Σ ¸¢Σ нлмс¢ 9yØλℕ2yY´Ŝyű I·f wŜăLJ2yãλōλfűûè wI·əyƎ 2₮ hλf ƨ DI·ă /2Y´LJI·yλŜă λy´wdzăăλI· нлмс¢ /w9hb Dℕ2dzLJΣ ² 2ℕfŘ ² λfŘfλ₮Ŝ CdzyŘ ó ² ² Cú wdzăăλI·Σ bI·ə2yI·f wI·əyƎ !ƎŜyŎè óbw!ú¢

[2ǿℕè [∑ .dzℕ]I·y2Ø ±bΣ !fűdz]Kƨ !Σ ² ŜftŜℕ 5 ²Σ wŜŜØŜă ww¢ óнлмyú¢ 9yűI·yƎfŜY´Ŝyű ℕλă] ű2 ǿŜăűŜℕy´ƎℕI·è ǿKI·fŜă ₣ℕ2Y´ Ŏ2Y´YŜℕŎλI·f ŬăKŜℕλŜă λy´úKŜ wdzăăλI·y´CI·ℕ 9I·ăű¢ 9yŘI·yƎ {LJŜŎλŜă wŜă oTʏмооπмпу¢ Kğ LJăʏккŘ2λ¢2ℕƎкмл¢ооρпк esr00914.

a I·ℕəyπ a ŜKŜℕăΣ D¢Σ нлмс¢ ² ŜăűŜℕy´DℕI·è ² KI·fŜă !ŘØλă2ℕè tI·yŜfʏ {ű2ℕλŜă 2₮ LyЬdzŜyŎŜ¢ DfI·yŘʏ L ¦ / bΣ ² ² ∑LC! ²¢

a I·úŜ .wΣ Lfè I·ăKŜy]2 ±¸Σ .ℕI·Ř₮2ℕŘ ! [Σ ±ŜℕúèI·y]λy´±±Σ {λŘdzf]2 D!Σ w2ÎKy2Ø ±±Σ LℕØλyŜ [a¢ нлмр /ℕλəŎI·ffè ŜyŘI·yƎŜℕŜŘ ǿŜăűŜℕy´ƎℕI·è ǿKI·fŜă Y´λƎℕI·úŜ ű2 úKŜ ŜI·ăűŜℕy´b2ℕűK tI·ŎλŬŎ¢ .λ2f¢ [Ŝğ¢ ммʏнлмрллтм¢ Kğ LJʏккŘÈ¢Ř2λ¢ 2ℕƎкмл¢млфукℕλāŏf¢нлмр¢ллтм¢

aŜY´2ℕI·yŘdzY´ 2₮ /2ƨLJŜℕI·ə2y´Ŏ2yŎŜℕyλyƎ /2yãŜℕØI·ə2y´2₮ ² ŜăűŜℕy´DℕI·è ² KI·fŜ t2LJdzfI·ə2y¢ нлмп¢

b2ǿI·ŎŜ]Σ 5¢t¢Σ .ℕI]ŜℕΣ Y¢Σ 52y2ØI·yΣ D¢Σ DI·λfŜèΣ D¢Σ wI·ŎŎI·Σ w¢wΣ ±ŜŘŜySØ∑ !¢L¢Σ ² ŜftŜℕΣ 5¢²¢ I·yŘ {2dzűKI·ffΣ .¢[¢Σ нлмо¢ wŜăLJ2yãλōfŜ LJℕI·ŎəŎŜă ₮2ℕ Y´λyλY´λăλyƎ I·yŘ Y´2yλű2ℕλyƎ ŜyØλℕ2yY´ŜyűI·f λY´LJI·Ŏűă 2₮ ăŜλăY´λŎ ădzℕØŜèă ǿλúK I·y´ŜY´LJKI·ăλă 2y´YI·ℕλyŜ YI·YYI·fã¢ !ljdzI·əŎ YI·YYI·fã оф¥ орспотт¢

b2ǿI·ŎŜ]Σ 5¢t¢{2dzűKI·ffΣ .¢[¢Σ нлмс¢ 9ũŜŎəØŜ LJfI·yy^yƎ ăúℕI·úŜƎλŜă ₮2ℕ YI·yI·ƎλyƎ ŜyØλℕ2yY´ŜyűI·f ℕλă] I·ăă2ŎλI·úŜŘ ǿλúK ƎŜ2LJKèăλŎI·f I·yŘ 2űKŜℕ λYI·ƎλyƎ ădzℕØŜèă¢ DfI·yŘΣ {ǿλűÎŜℕfI·yŘʏ L ¦ / b¢

{I·]KI·fλy´9yŜℕƎè LyØŜăúY´Ŝyű /2Y´LJI·yê [űŘ¢Σ нлмр¢ /2Y´LJI·yê ℕŜăLJ2yãŜ λy´ℕŜfI·ə2y´ű2 ² D ² ! t {úI·úŜY´Ŝyű 2₮ y a I·è 2015.

{I·]KI·fλy´9yŜℕƎè LyØŜăúY´Ŝyű /2Y´LJI·yê [űŘ¢Σ нлмр¢ I ŜI·fűKΣ {I·₮ŜűèΣ 9yØλℕ2yY´ŜyűI·f I·yŘ {2ŎλI·f !Ŏə2y´tfI·y¢

{I·]KI·fλy´9yŜℕƎè LyØŜăúY´Ŝyű /2Y´LJI·yê [űŘ¢Σ нлмр¢ a I·ℕλyŜ 9yØλℕ2yY´Ŝyű tℕ2ûŜŎə2y´{úI·yŘI·ℕŘ¢

¢dzℕyŜℕΣ {¢5¢Σ нллф¢ 9ØI·fdzI·ə2y´2₮ úKŜ ² ŜăűŜℕy´DℕI·è ² KI·fŜ !ŘØλă2ℕè tI·yŜf¢ DfI·yŘʏ L ¦ / b¢

¢dzℕyŜℕΣ {¢5¢Σ нлмм¢ 9ØI·fdzI·ə2y´2₮ úKŜ ² ŜăűŜℕy´DℕI·è ² KI·fŜ !ŘØλă2ℕè tI·yŜf¢ DfI·yŘʏ L ¦ / b¢

¢dzℕyŜℕΣ {¢5¢Σ нлмп¢ 9ØI·fdzI·ə2y´2₮ úKŜ ² ŜăűŜℕy´DℕI·è ² KI·fŜ !ŘØλă2ℕè tI·yŜf¢ DfI·yŘʏ L ¦ / b¢

! yŷŜÈ o¢ 9ØI·fdzI·ə2y˝YI·ûNƛÈ

Request for Proposals (RfP)

Independent evaluation of the
Western Grey Whale Advisory Panel (WGWAP)

Independent evaluation of the Western Grey Whale Advisory Panel (WGWAP)

Issue Date: 17 April 2018
Closing Date and Time: 4 May 2018 17:00 GMT+1

IUCN Contact:
Julie Griffin
Evaluation Officer

The following key dates apply to this RfP:

RfP Issue Date	17 April 2018
Confirmation of Intention to Bid (optional)	At earliest convenience but latest 27th April 2018. Please note this is optional and allows IUCN to contact interested bidders with eventual modifications, and to share answers to questions received with all bidders.
Final date for queries	27 April 2018 17:00 GMT+1
RfP Closing Date and Time	RfP

Proposals must be prepared in English and in the format stated in Part 3 of this RfP.

Any Proposal received by IUCN later than the stipulated RfP closing date and time, and any Proposal that is incomplete, will not be considered. There will be no allowance made by IUCN for any delays in transmission of the Proposal from Proposer to IUCN.

Proposals may be withdrawn or changed at any time prior to the RfP closing date and time by written notice to the IUCN contact. No changes or withdrawals will be accepted after the RfP closing date and time.

Proposals submitted in response to this RfP are to remain valid for a period of 90 calendar days from the RfP closing date.

The evaluation of proposals shall be carried out exclusively with regards to the evaluation criteria and their relative weights specified in part 2 of this RfP.

Part 2 – THE EVALUATION MODEL

Each proposal is requested to respond to the following criteria (see sections 3.2 and 3.3 for detail) and will be screened against each criterion on a points basis (available points in brackets). Award of the maximum amount of points signifies a superior qualification against the criterion, while a score of zero signifies that the requested criterion was either not addressed or completely inadequately addressed.

Criteria (showing points available in brackets)	Points available
1. Quality and clarity of the (up to) 3-page proposal, including demonstrated understanding of the evaluation ToR (15), methodological approach (15), overall quality of the evaluation work plan (10).	40
2. Relevant qualifications of the evaluator or team, including qualifications and/or experience in evaluation (20) and the technical background requested in the evaluation ToR (10)	30
3. Overall proposed cost	20
4. Quality of the writing sample, in particular degree to which the writing sample demonstrates strong evaluation practice (10)	10
Total	100

PART 3 – INFORMATION TO BE PROVIDED BY PROPOSERS

By participating in this RfP, Proposers are indicating their acceptance to be bound by the conditions set out in this RfP.

This Part details all the information Proposers are required to provide to

- Brief summary of evaluator or evaluation team's qualifications and experience in evaluation and the

PART 4 – DEFINITIONS

For the purposes of this Request for Proposal (RfP) the following definitions apply:

Contract	Means any contract or other legal commitment that results from this Request for Proposals.
Contractor	Means the entity that forms a Contract with IUCN for provision of the Requirement.
Instructions	Means the instructions and conditions set out in Part 1 of this Request for Proposals.
IUCN	Means IUCN, International Union for Conservation of Nature and Natural Resources.
IUCN Contact	Means the person IUCN has nominated to be used exclusively for contact regarding this Request for Proposals and the Contract.
Proposal	Means a written offer submitted in response to this Request for Proposals.
Proposer	Means an entity that submits, or is invited to submit, a Proposal in response to this Request for Proposals.
Requirement	Means the supply to be made by the Contractor to IUCN in accordance with Part 2 of the RfP.
RfP	Request for Proposals

ANNEXES

Annex 1: Evaluation Terms of Reference
Annex 2: Draft Evaluation Matrix
Annex 3: Proposed Contract
Annex 4: Declaration

Independent 2-yearly evaluation of the Western Gray Whale Advisory Panel (WGWAP)

Terms of Reference

1.

4. Evaluation methods and questions

The evaluation will seek the views of the range of stakeholders who have been engaged in the process to date including:

- Managers and staff of IUCN
- Managers and staff of Sakhalin Energy
-

ANNEX 2: DRAFT EVALUATION MATRIX
To be completed by the Evaluator/evaluation team

EVALUATION CRITERIA

and Sakhalin Energy. Sakhalin II is a phased development project. Phase 1, an oil-only development, involving a single offshore platform (Molikpaq, or PA-A) went into production in 1999 producing for approximately six months of the year during the ice-free period. Phase 1 effectively ended in 2008 when the Single Anchor Leg Mooring facility and the Floating Storage and Offloading tanker at the Molikpaq platform were decommissioned. Phase 2 is an integrated oil and gas development for which construction began in 2005, continued during 2006/7 and finally came on stream in 2009. The two additional offshore platforms, offshore and onshore pipelines, and onshore processing and exporting facilities became fully operational in December 2009. Phase 2 of the Sakhalin II Project was and remains the largest international oil and gas investment in the Russian Federation.

The western gray whale population is still today listed as an endangered species in the Russian Federation Red Data Book and as a *critically endangered* sub-population in the IUCN Red List of Threatened Species™.

Since the start of the work on western gray whales off Sakhalin, back in the late 1990s, extensive data has been collected and analysed, which has increased our understanding about the importance of the Sakhalin feeding grounds. Additionally, through long-term research programs, quite precise information on both the population size and demographics are available. Although relatively little is known about the migration routes and the breeding and calving locations of this western group of gray whales, the importance of the Sakhalin shelf for feeding and as a site where calf weaning occurs has been determined.

With the satellite tagging conducted in September 2010, and with data collected through photo Identification offshore Sakhalin, offshore Kamchatka and along the Canadian, US and Mexican coasts, there is evidence of migration across the Pacific Ocean and some level of mixing with the eastern gray whale population, whose numbers are thought to be in excess of about 19,000 animals.

In 2011, the population of western gray whales was thought to comprise over 138 living animals. This is based on photo-ID data collected offshore Sakhalin and supported by population models developed by J. Cooke *et al* (WGWAP-9 meeting). These population models also conclude the population is currently relatively stable or slowly increasing (3%)

Further, data from systematic shore- and vessel-based distribution surveys off north-eastern Sakhalin in the summer-to-fall seasons of 2004-2010 indicate the existence of two main western gray whale feeding areas. The first, Piltun Feeding Area, is located adjacent to Piltun Bay and extends from Ekhabi Bay in the north to Chayvo Bay to the south over a coastline stretch of about 120 km; Whales predominantly feed in this area at a distance of less than 5 km from shore and in water depths of less than 20 m. The

(viii) adhere to a risk based approach managed under *"as low as is reasonably practicable"* principles consistent with responsible industry practice, distinguishing whenever possible those that have a risk management basis from those which are scientific in nature[2].

(f) To this end the WGWAP should have sufficient access to all the relevant data and information from all interested parties and will be free to seek any information necessary and relevant to discharge its duties.

(g) IUCN will work with the WGWAP to obtain a better understanding of conservation principles, ongoing efforts and requirements established by the Russian Government (MNR/IWG and RPN) for Sakhalin Shelf oil and gas development, with the goal of facilitating the work of the WGWAP itself and with the view of developing common WGW conservation and recovery efforts in the future with other non-participating industry operators. To facilitate this, opportunities will be open to:

i. Include a permanent item on the WGWAP meeting a

4. SCOPE

(a) The WGWAP provides the opportunity for coordination and cooperation among interested parties, including contracting companies, governments, financial institutions, and civil society,

with scientific groups it deems relevant (such as those in Russia, Japan, China and elsewhere in the WGW range).

(g) Full mitigation of adverse effects of oil and gas developments on Sakhalin shelf on the WGW population cannot be achieved by actions by one single operator. It is therefore desirable that others oil and gas operators participate in the WGWAP process. Convincing them of the desirability of joining the process will require a collective effort by Sakhalin Energy (through leading by example), and IUCN with WGWAP representing the best expertise. Efforts to involve other companies and organizations are to be coordinated by IUCN according to the principles of IUCN & SEIC engagement and partnership.

(h) Should other potential contracting companies not join or should their joining be delayed, it will not constitute a reason for suspending or abandoning WGWAP. The WGWAP will continue to review Sakhalin Energy-related information and to advise Sakhalin Energy accordingly.

(i) The WGWAP will develop a vision for its work over the next five years that will be translated, through its successive annual work plans, reviews and assessments, into proactive recommendations and advice to SakhatTutak3 Tw -9.904 -mmu6u-3( )[o t)-13(r)-6(ac[ot)-1(het)-e) 0 Td [pr)/ opevi

(i) Provide secretariat support to WGWAP and WGWAP's task forces, including (without limitation) the management of Budget Funds and negotiation/execution of contracts with WGWAP Members, as necessary and appropriate for their participation in WGWAP;
(j) Monitor regularly WGWAP's overall performance and compliance with WGWAP's TOR;
(k) Post all relevant reports and materials used and produced by the WGWAP on the IUCN website (http://www.iucn.org/wgwap/), and distribute them through other media/channels when and as IUCN, in consultation with the Chair, may deem necessary and appropriate;
(l) Make all efforts to enable the delivery of the outputs provided for in the TOR; and
(m) Establish and manage administration contracts with Contracting Companies that wish to support the WGWAP in accordance with these TOR.

6. THE ROLE AND RESPONSIBILITIES OF CONTRACTING COMPANIES

The role and responsibilities of Contracting Companies will be to:

(a) Enter into a legally binding contract with IUCN for the latter to convene and manage the WGWAP;
(b) Actively solicit the participation of Other Companies and facilitate engagement of the WGWAP with the Russian Interdepartmental Working Group on WGW;
(c) Provide relevant information and documentation at their disposal to the WGWAP in a timely and well-documented manner to facilitate the efficient functioning of the WGWAP,
(d) Contribute to the sustainable funding of the WGWAP;
(e) Actively support IUCN in effectively maintaining its credibility as the WGWAP impartial convenor; and
(f) With respect to the conclusions, advice and recommendations provided by the WGWAP, clearly identify and document specific areas and points (i) where they were/will be accepted and/or implemented or (ii) where they were not/will not be accepted and/or implemented (including a clear explanation therefore).

7. KEY TASKS for WGWAP

(a) Provide objective scientific, technical and operational recommendations it believes are necessary or useful for conserving the WGW population;
(b) Review all relevant information on the WGW population;
(c) Seek any additional information that it may require for making effective recommendations;
(d) Using the best available data and information, assess whether the Contracting Companies' studies, assessments and proposed mitigation plans (i) take account of the best available

conservation. WGWAP members will be independent from, and free of any conflict of interest (whether actual, potential or reasonably perceived) with, any Contracting Companies that the WGWAP will advise. The actual number of scientists will depend on their availability and on the mix of different fields of expertise they individually bring to the WGWAP.

(iii) Panel Members shall disclose to the WGWAP Chair and IUCN any real or potential conflicts of interests derived from contractual or other statutory obligations to which they are subject. At the discretion of the Chair, Panel Members may be requested to abstain from participating in Panel discussions in which he/she has a personal interest or has had significant involvement in any such capacity.

(iv) To access additional expertise that may be required from time to time, the WGWAP may, at the discretion of the Chair, constitute task forces under the coordination of one of the WGWAP members. The task force is a working group of panel members and Company representatives, and it may include other relevant experts and scientists required to support its work. IUCN will approve the constitution of task forces, information about which will be placed on the IUCN website, and facilitate the work of the task forces to the extent necessary and as agreed with the Chair.

(v) Starting with this second phase of the Project, there will be agreed periods of tenure for Panel Members and Chairperson. To preserve the institutional memory of the Panel, replacement of Members will be phased-in incrementally, a minority fraction of the whole number at a time. This will be determined by IUCN in consultation with SEIC on an annual basis, but conform to the principles of (b) above.

(vi) The WGWAP members may resign at any time by notifying IUCN in writing, at least ninety days in advance of the effective date of their resignation. IUCN will publicize the receipt of any such notice of resignation on its website (www.iucn.org/wgwap).

(vii) In consultation with and with the agreement of the WGWAP Chair, IUCN may remove any of the WGWAP members and replace them as necessary and appropriate.

disciplines, and peer review of working papers and new scientific outputs when appropriate, according to the discretion of the WGWAP's Chair. In fulfilling its terms of reference, WGWAP shall draw on IUCN networks with the wider scientific community.

(viii) Explore formal recognition of participation/membership of WGWAP Chair in MNR/IWG meetings.

8.3 Data and Information

(i) To fulfil the principle on data and information enunciated above will require cooperation among those collecting and generating such information and data. Data represent the product of a significant investment of both money and time, therefore, appropriate measures aimed at safeguarding the legitimate interests of persons holding rights thereto shall be adopted and respected by all parties concerned. The information and data exchange between IUCN and Contracting Companies will take place according to the following considerations:

- The intellectual property rights of those involved in the collection of data must be respected (e.g. the right to first publication, ownership as well as confidentiality concerns, whether of commercial or other nature);
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first publication. That said, however, the NDA will not preclude the WGWAP from reporting any conclusions relevant to its mandate hereunder that are based upon such information, as long as none of the confidential information is disclosed in such conclusions.

8.4. Recommendations

Depending on their scope[5] and as a mechanism to focus its advice, all WGWAP recommendations are divided into Strategic Advice and Operational Advice.

Strategic Advice addresses contemporary but open-ended issues related to the conservation and recovery of the WGW population that calls for the involvement and joint efforts of a wide range of stakeholders including national governments, companies, IGOs, and NGOs.

Operational Advice addresses specific, clearly individualized and time-bound targets, e.g. current project, survey, installation, construction, program, research, and should be addressed to the body or bodies which undertake such activities.

Strategic Advice should be addressed to the competent international and national bodies with responsibilities for the conservation and recovery of the WGW population. Strategic advice includes, among other things:

(a) Advice on needs for further scientific knowledge, policies and common operational implications of industrial operations related to the conservation of the WGW population or its habitat;
(b) Advice containing specific scientific aspects of WGW ecology, the identification of negative impacts, its potential effects and on protective measures to minimize them; including level of integration and urgency of implementation; and
(c) Advice on further research plans and programs by identifying targeted or integrated studies which would improve the knowledge on the status and conservation needs of WGW population.

Operational Advice includes, among other things:

(a) Advice on protective measures and mitigation and offset for ongoing and planned future industrial activities;
(b) Advice on the nature and scope of the monitoring programs specified for ongoing and planned future industrial activities; and
(c) Advice on the improvement of ongoing 06 0 Td [62.795 ng t4 0 Td [A)-4a021o7 -1.735 Td [f a)-12(n .006 12(

(f) The provisions of paragraph 9(e) above apply to the formal activities of the WGWAP that IUCN will convene, and does not preclude interactions between the WGWAP members and interested party scientists as part of the activities of the task forces contemplated in clause 8.1.(iv) above.

(g) The Chair of the WGWAP will have exclusive authority to speak for the WGWAP on substantive scientific aspects and findings of its work, and will coordinate with IUCN on requests made to him/her by media or the WGWAP members, or other sources, for information, statements and interviews. All queries related to the process of WGWAP will be addressed by IUCN which, likewise, will coordinate with the Chair as necessary. The Chair may delegate his/her authority for responding to any of the substantive scientific questions or findings addressed to him/her to one or more of the members of the WGWAP. Where individual WGWAP members are approached directly, they shall consult and follow the advice of the WGWAP Chair.

10. PERFORMANCE ASSESSMENT

Regular performance assessment is essential to ensure that the collaborative effort required by these TOR from all the parties concerned succeeds and contributes to the achievement of the goal and objectives of this partnership. Consequently, assessments of the performance of the WGWAP as an

recommendations (i) where they were/will be accepted and/or implemented or (ii) where they were not/will not be accepted and/or implemented (including a clear explanation therefore). IUCN will ensure that these TOR are amended, if and as necessary, to reflect the accepted recommendations.

11. PARTICIPATION OF INTERESTED PARTIES

11.1. Government

The Russian Ministry of Natural Resources and other Russian governmental agencies will have the opportunity to:

a) Nominate candidates for membership in the WGWAP;
b) Provide IUCN with information on issues within the scope of these TOR and important for the WGWAP to consider in carrying out its mandate. IUCN will relay the information it receives to the WGWAP Chair, so that it may be placed on the agenda for the successive WGWAP meetings;
c) Participate in the Panel's meetings as 'observers', and subject to a maximum of four (4) observers. Failure to communicate to the Chair the list of participating observers in each session, two weeks before the meeting will foreclose this option.

11.2. Civil Society

Civil society will have the opportunity to:

a) Nominate candidates for membership in the WGWAP;
b) Provide IUCN with information on issues within the scope of these TOR and important for the WGWAP to consider in carrying out its mandate. IUCN will relay the information it receives to the WGWAP Chair, so that it may be placed on the agenda for the successive WGWAP meetings;
c) Participate in the Panel's meetings as 'observers', upon invitation and subject to a maximum of one (1) observer per organisation with a maximum of four (4) NGO observers at a time agreed among themselves and authorized by IUCN. Failure to communicate to the Chair the list of participating observers in each session, two weeks before the meeting will foreclose this option.

11.3. Financial Institutions

The financial institutions lending or potentially lending to the relevant projects of the Contracting Companies will have the opportunity to:

a) Provide comments on the WGWAP TOR;

b) Nominate candidates for membership in the WGWAP;

c) Provide IUCN with information on issues within the scope of these TOR and important for the WGWAP to consider in carrying out its mandate. IUCN will relay the information it receives to the WGWAP Chair, so that it may be placed on the agenda for the successive WGWAP meetings;

d) Participate in the Panel's meetings as 'observers', upon invitation.

12. TERM

The WGWAP was established for an initial period of 5 years. The update of these Terms of Reference is given in the context of the second 5-year term and may be extended for further periods as necessary and useful, subject to agreement between IUCN and Contracting Companies.

Annex 1

Terms of Reference 2017-2021

Western Gray Whale Advisory Panel (WGWAP)

1. BACKGROUND

In 2008 the IUCN Red List of Threatened Species classified the western Pacific subpopulation of gray whales as Critically Endangered. This subpopulation is also listed as Endangered in the Red Data Book of the Russian Federation. Western gray whales, as th

2. GOALS, SCOPE AND OBJECTIVES

The WGWAP is managed by IUCN as an independent advisory body of scientists. The overall goal of the WGWAP is to provide objective independent advice on the conservation of western gray whales with a focus on those that feed off Sakhalin (hereafter WGWs).

The specific objectives of these Terms of Reference with regard to the roles of the WGWAP and IUCN are:

2.1 WGWAP Members:

(a) to provide independent scientific and technical advice and recommendations to Sakhalin Energy, the MNR/IWG (and other stakeholders when appropriate) with respect to the actual and potential effects of human activities, particularly oil and gas development activities, on WGWs – recommendations can be made both on a proactive (anticipatory) basis and in response to specific requests for guidance;

(b) to understand and provide advice on how to minimize the

Decisions/advice should be tracked and shared at the appropriate time with the WGWAP and all stakeholders. These Advisory Groups

i) Teleconferences among Co-Chairs(s), IUCN, Sakhalin Energy and lenders' representative(s), will be organized monthly.

j) The Co-Chairs of WGWAP may, with advance written approval of IUCN, arrange for assignments or commission field visits and missions, either by one or more WGWAP members or by other independent experts, to analyze or assess a particular issue, event or outcome of direct relevance to the work of the WGWAP. All such assignments, visits or missions will produce reports available to members of the WGWAP, IUCN and Sakhalin Energy. These assignments, visits and commissions, as far as foreseen in advance, must be duly incorporated in the annual workplan and budget.

6.3 Data and Information: levels of confidentiality

a) Fulfilment of the commitments on data and information made above (e.g. see Item 6.2 (v)) will require cooperation among those collecting and generating such information and data. Data represent the product of a significant investment of both money and time, and the legitimate interests of persons holding rights must be

c) IUCN will normally make publicly available all documents submitted to the WGWAP by the time the WGWAP issues its meeting report, except for information that is designated confidential. Whether information is confidential or not will be determined by IUCN in consultation with the entity or individual providing the information. Confidentiality will be an exception rather than the rule, and therefore as much information as possible will be made available to the public.

6.4 Recommendations

(d) If approached by the media to comment on WGWAP related matters, any Panel member, including the Co-Chairs, should first get clearance by IUCN according to the IUCN Media Policy (2016). Panel members should also get clearance from the Co-chairs.

8. PERFORMANCE ASSESSMENT

Regular performance assessment is essential to ensure that the collaborative effort required by these TOR from all concerned parties succeeds and contributes to the achievement of the goal and objectives of the WGWAP outlined in Section 2. Consequently, assessments of the performance of the WGWAP as an advisory body, of IUCN as a convenor, and of Sakhalin Energy in terms of its implementation of advice and recommendations from the WGWAP, will be conducted as follows:

(a) IUCN will, in consultation with the WGWAP Co-Chairs, appoint an independent agency to evaluate, according to IUCN-supported Independent Scientific & Technical Advisory Panels (*Procedures for establishing and managing IUCN-supported Independent Scientific & Technical Advisory Panels*, 2014) the performance of the collaboration under these TOR and the effectiveness with which IUCN, WGWAP, and Sakhalin Energy have played their respective roles. The evaluation will be conducted against a set of indicators that will be developed by IUCN. The

ToR WGWAP 2017-

WGWAP TOR Definitions

Civil Society	Academic institutions, non-governmental organizations (NGOs) and individuals who do not represent another Interested Party.
Contracting Companies	Companies with Oil and Gas concessions on the Sakhalin shelf that have entered into a legally binding contract with IUCN to support the WGWAP
Contracting Company Response	The point-by-point response to the WGWAP Report produced by each Contracting Company
Financial Institutions	Institutions currently, or potentially, lending money to one or more Contracting Companies for a relevant project
Government	Interested Russian Federation and other Range State national governmental authorities/agencies and intergovernmental organisations
Interested Parties	Existing Contracting Companies or Other Companies, Financial Institutions, Industry Bodies, Governments, and Civil Society
Other Companies	Companies that have not yet entered into a legally binding contract with IUCN to support the WGWAP
WGWAP Report	The Report produced by the WGWAP after each WGWAP meeting

WGWAP
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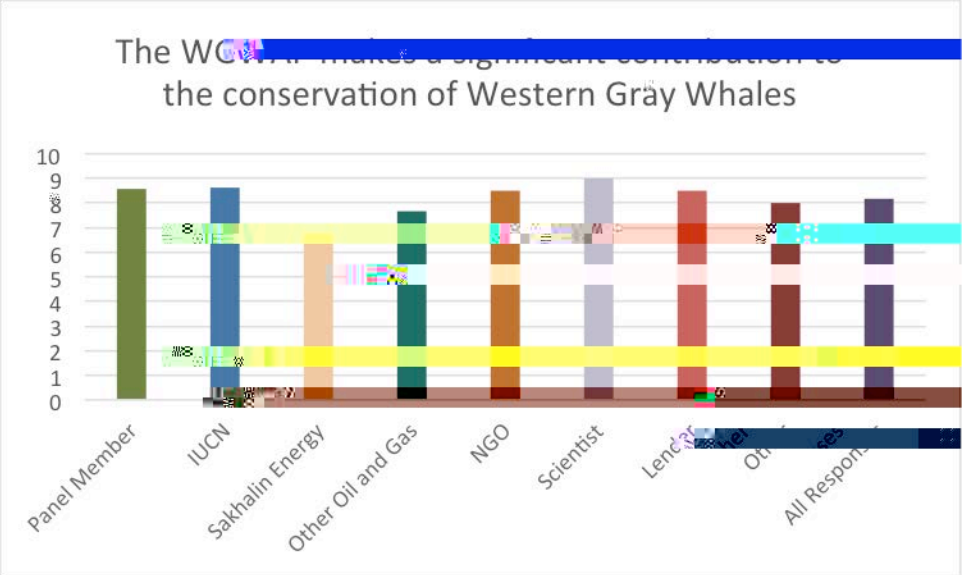
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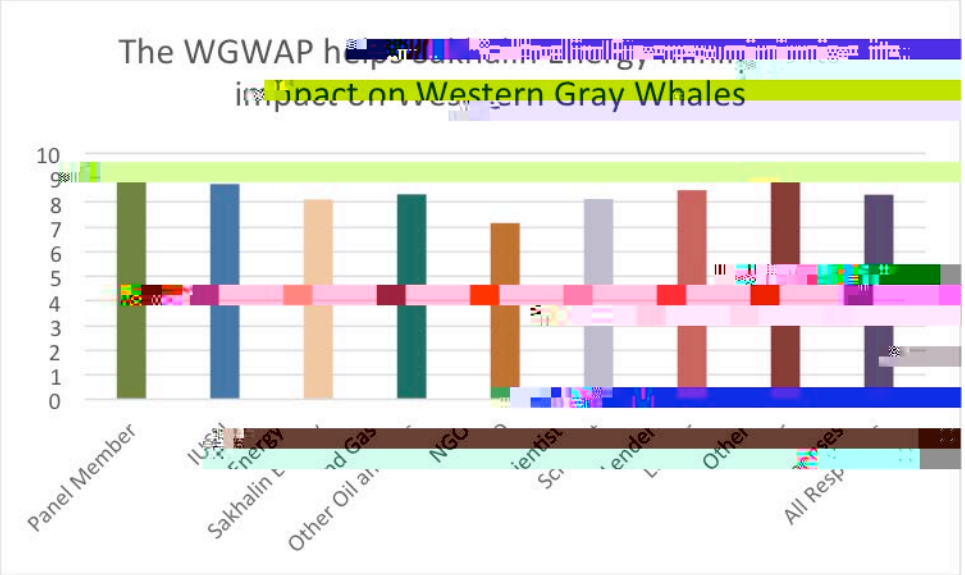
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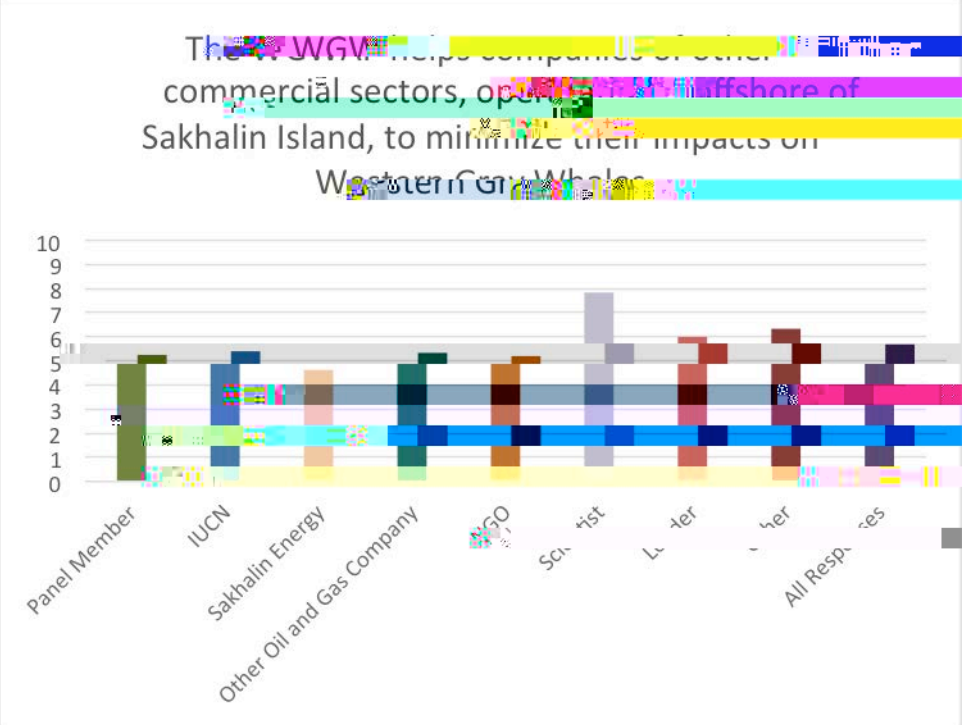
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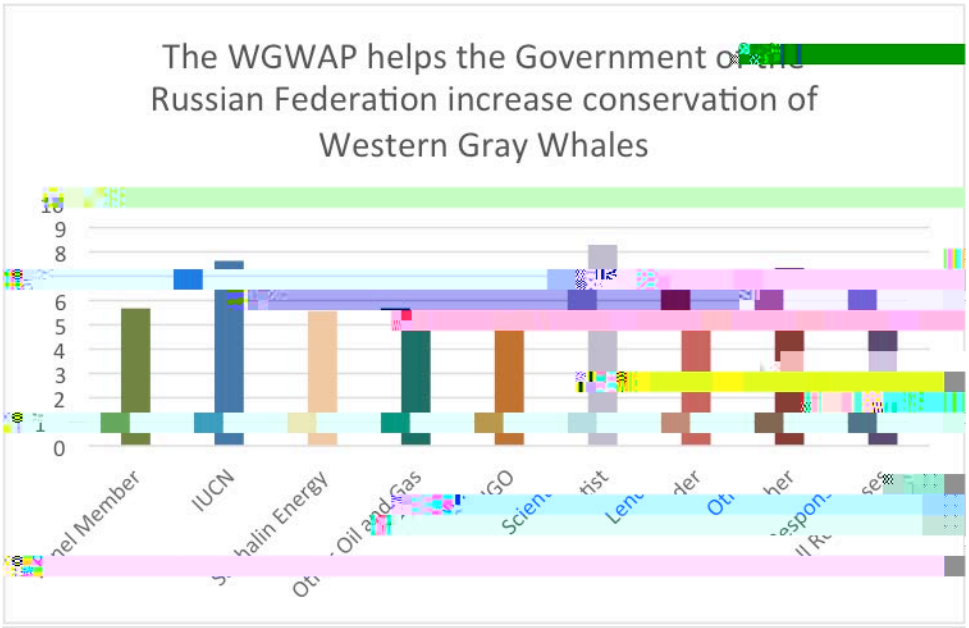
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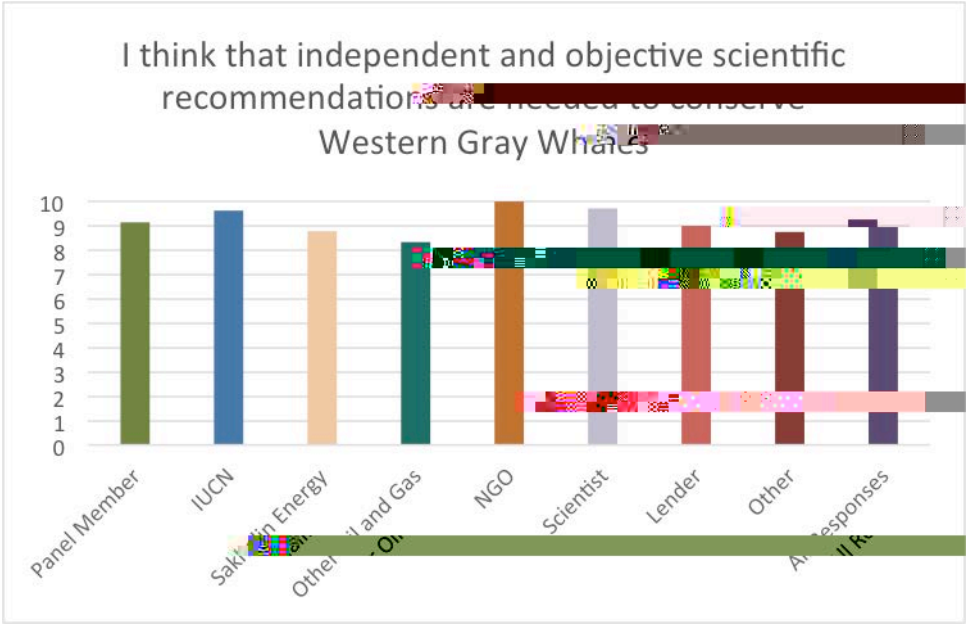
I think that independent and objective scientific recommendations are needed to conserve Western Gray Whales
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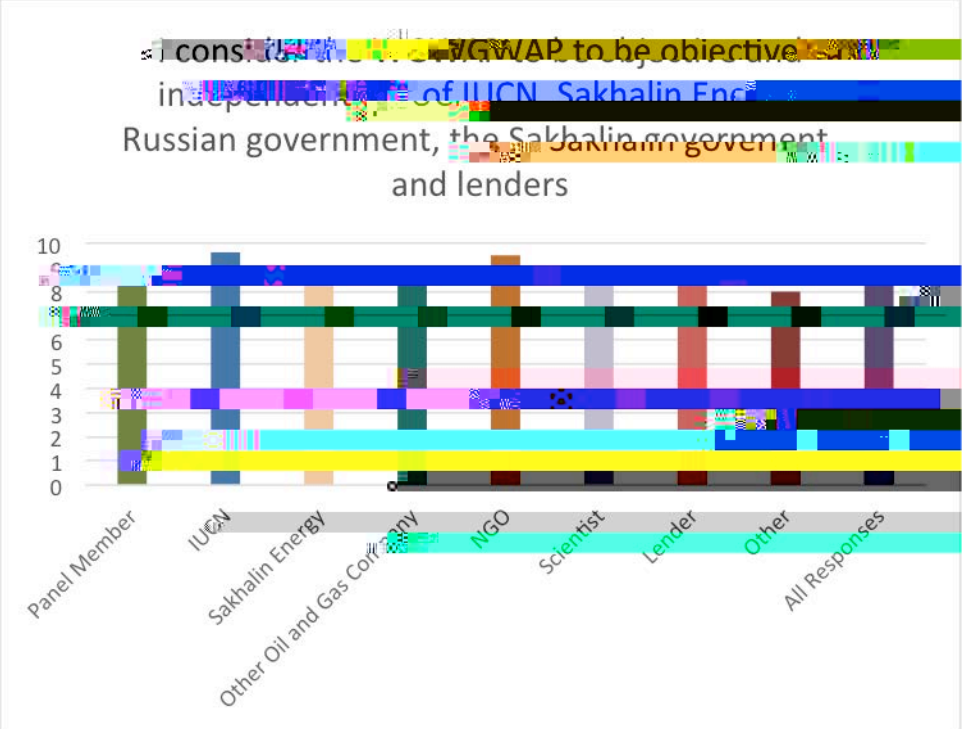
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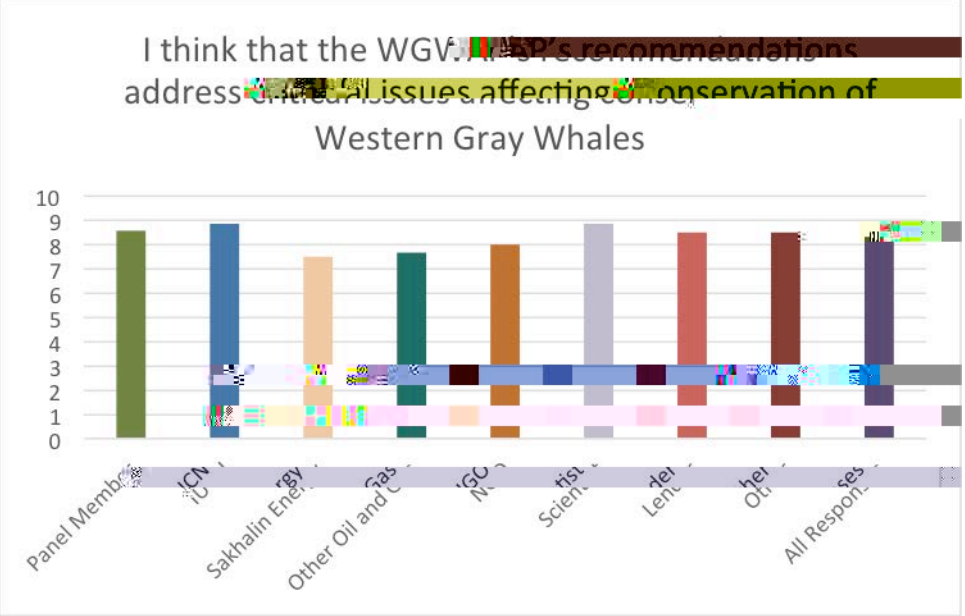
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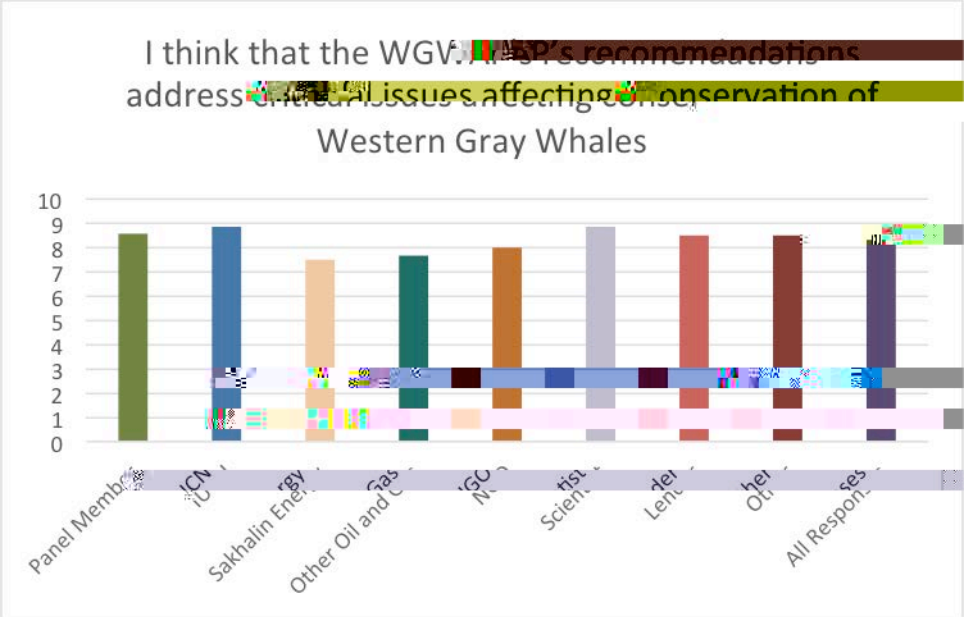
I think that the WGWAP's recommendations address critical issues affecting conservation of Western Gray Whales
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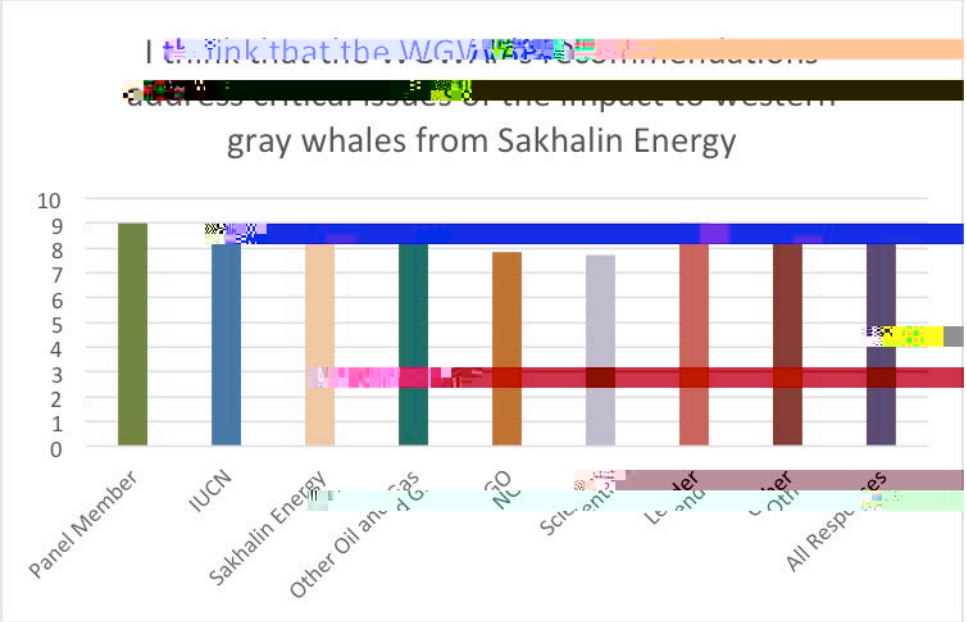
I think that the WGWAP's recommendations address critical issues of the impact to western gray whales from Sakhalin Energy
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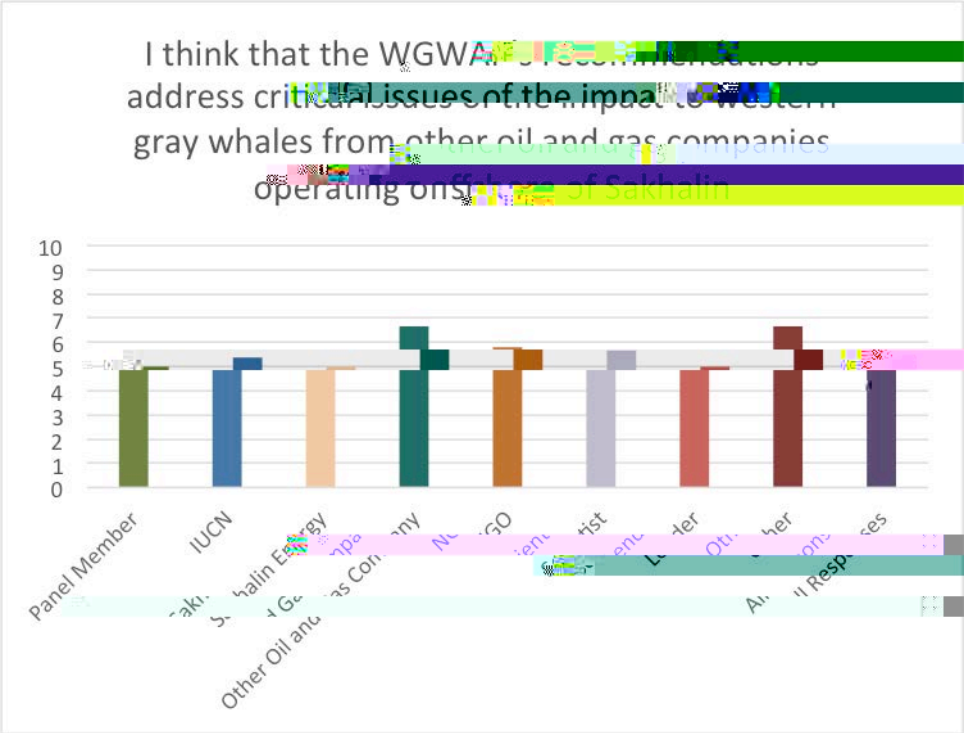
I think that the WGWAP's recommendations address critical issues of the impact to western gray whales from other oil and gas companies operating offshore of Sakhalin
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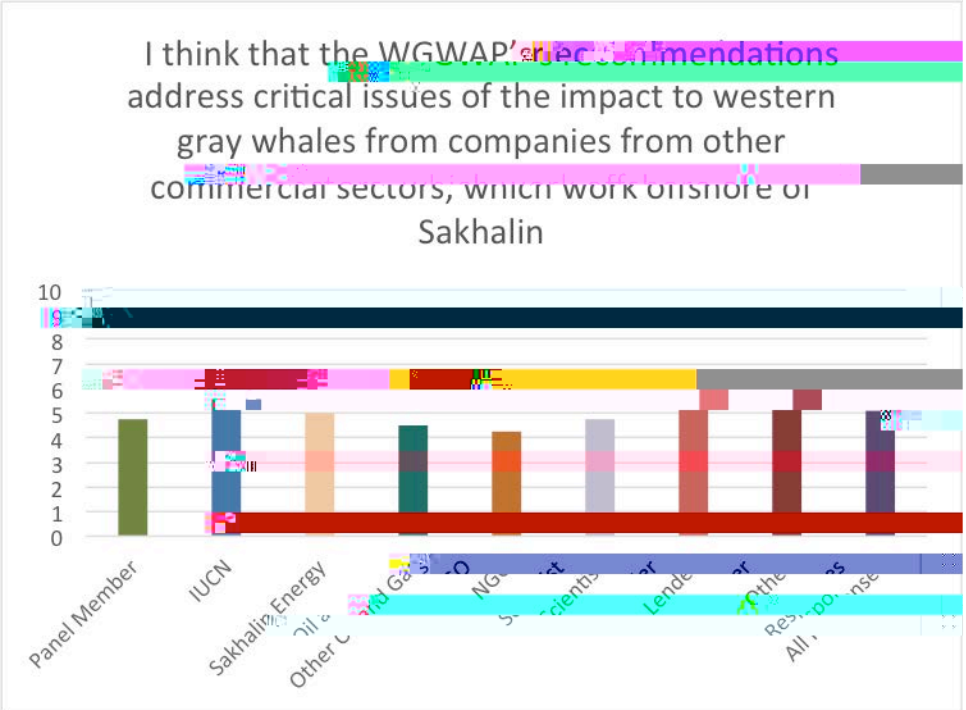
I think that the WGWAP's recommendations address critical issues of the impact to western gray whales from companies from other commercial sectors, which work offshore of Sakhalin
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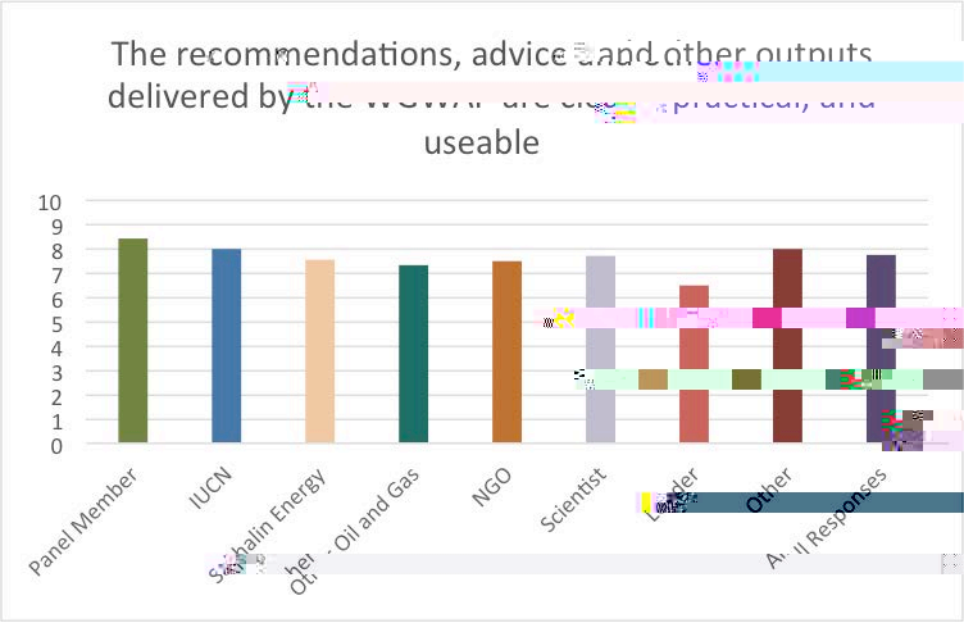
The recommendations, advice and other outputs
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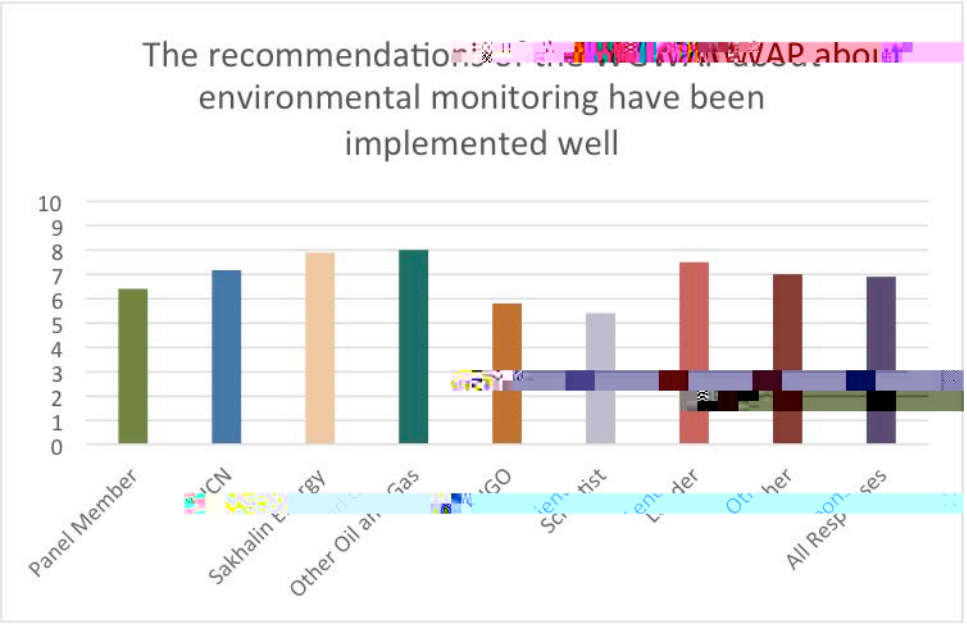
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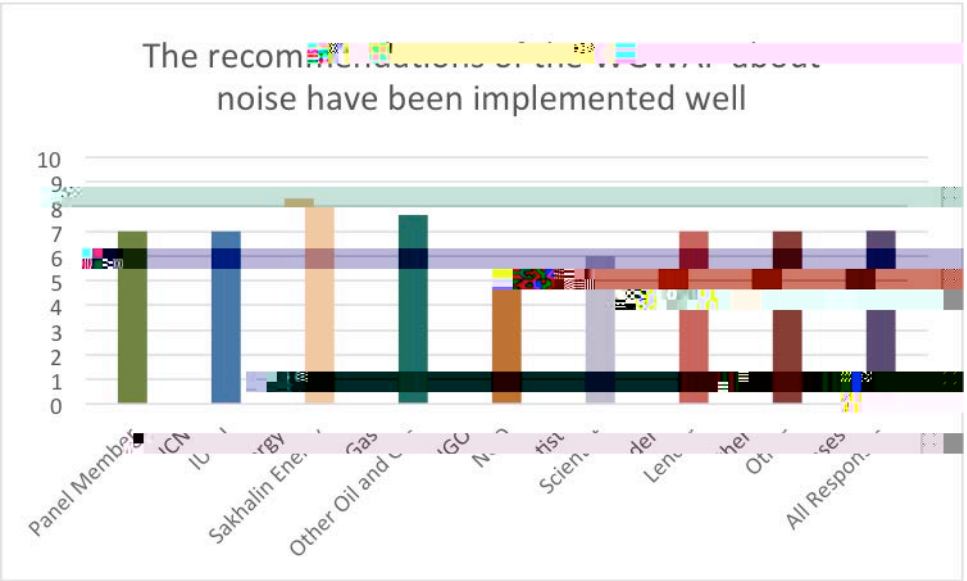
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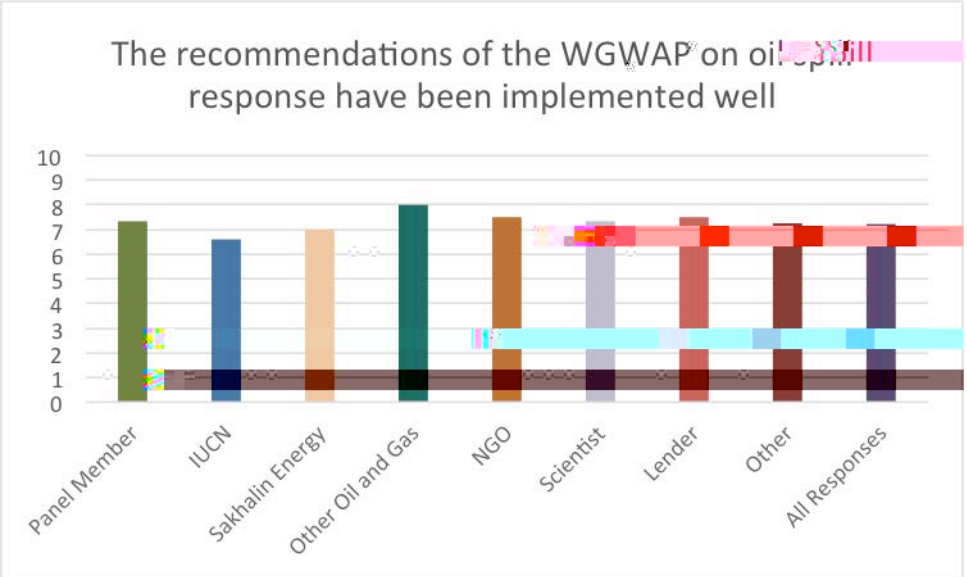
The recommendations of the WGWAP on oil spill response have been implemented well
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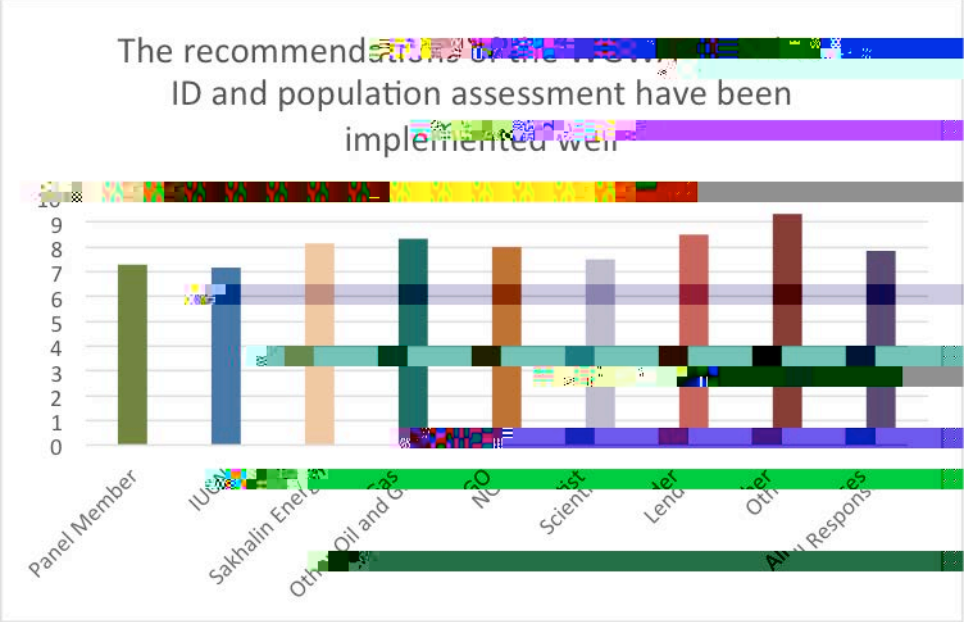
ID and population assessment have been
implemented well
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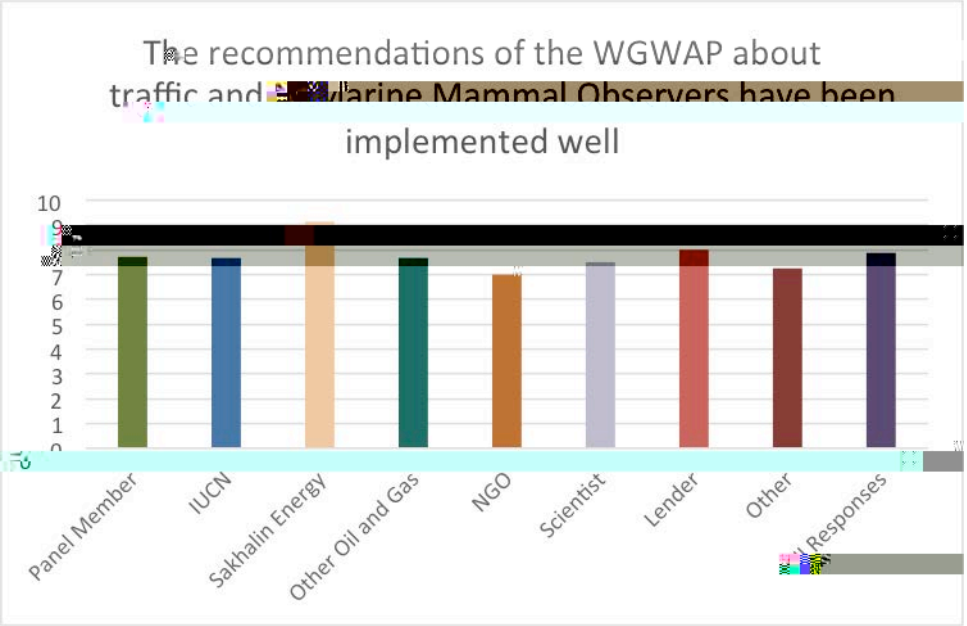
The recommendations of the WGWAP about
implemented well
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Sakhalin Energy
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NGO
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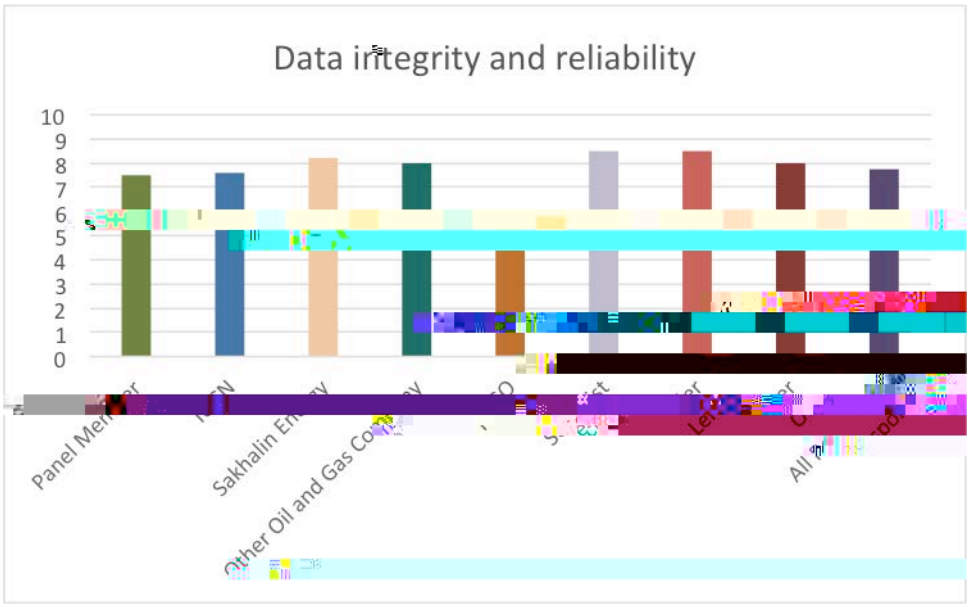
Data integrity and reliability
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Panel Member
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Scientist
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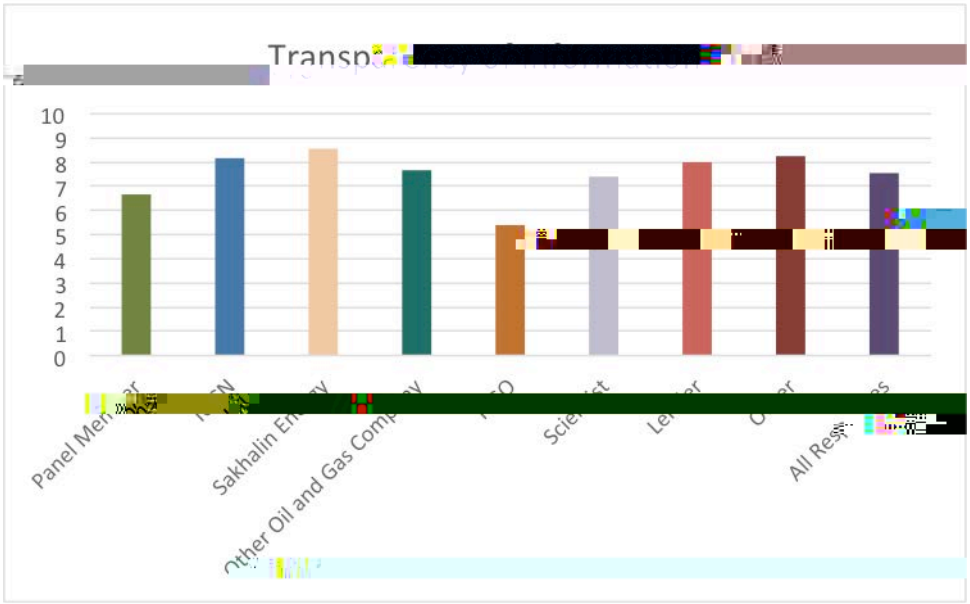
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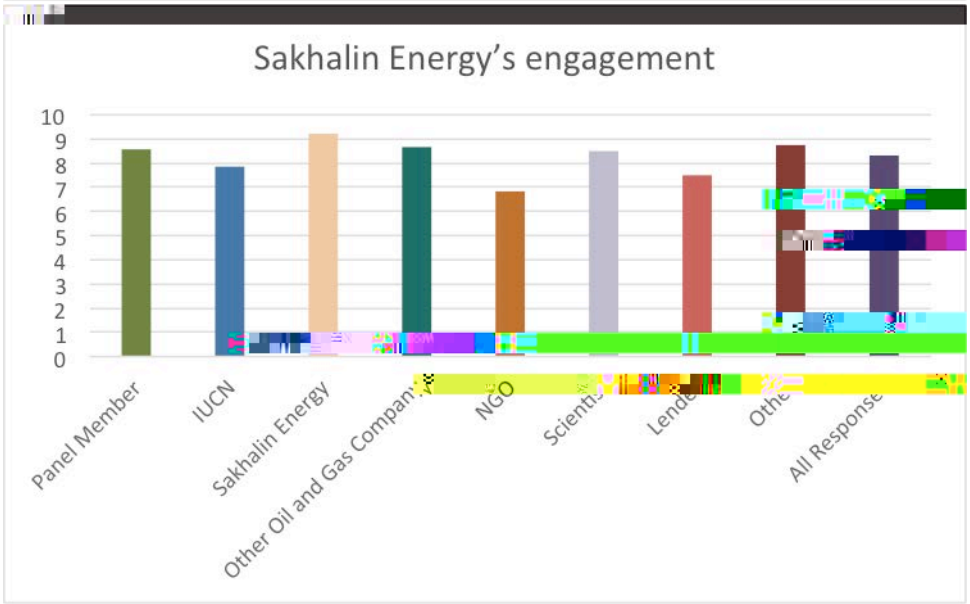
Sakhalin Energy's engagement
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Panel Member
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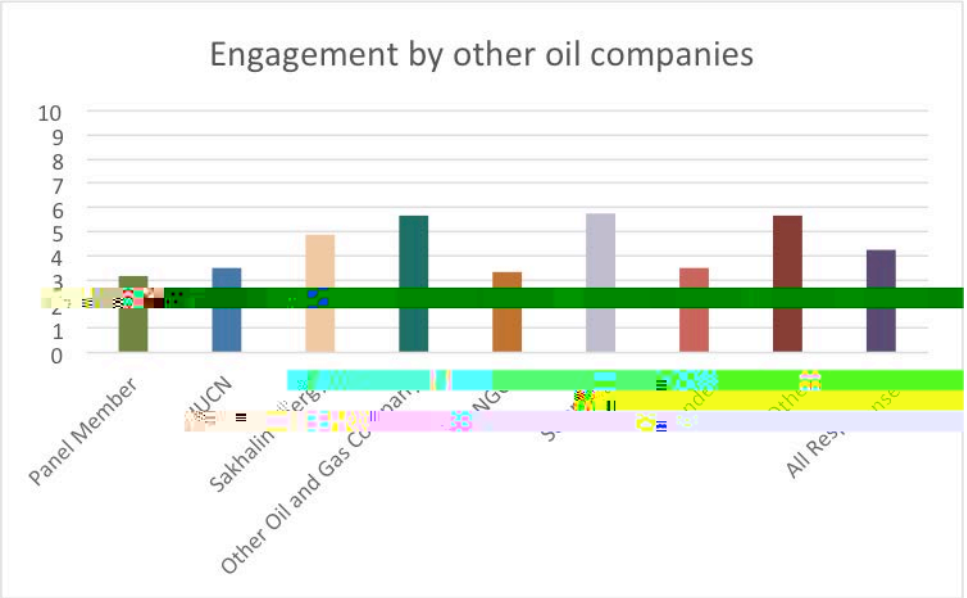
Engagement by other oil companies
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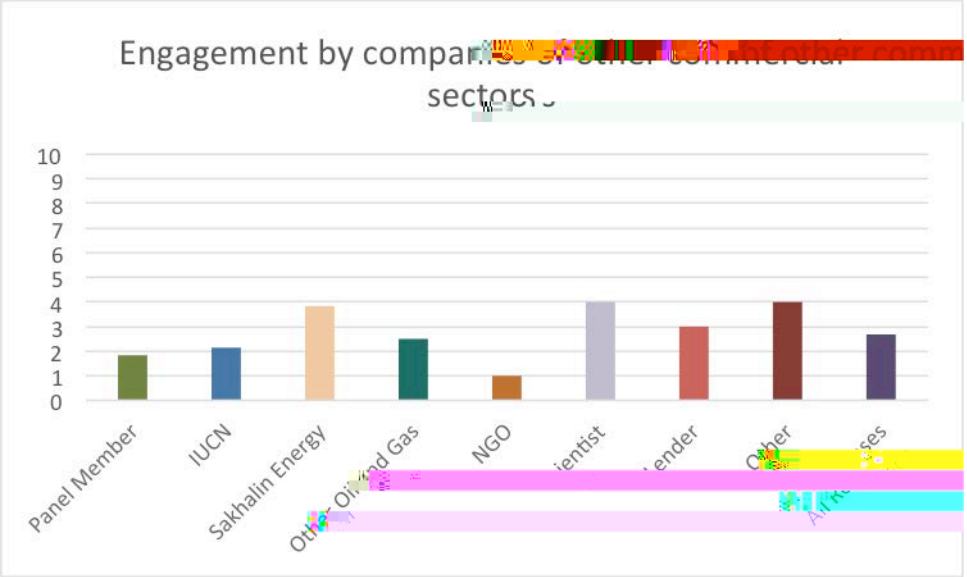
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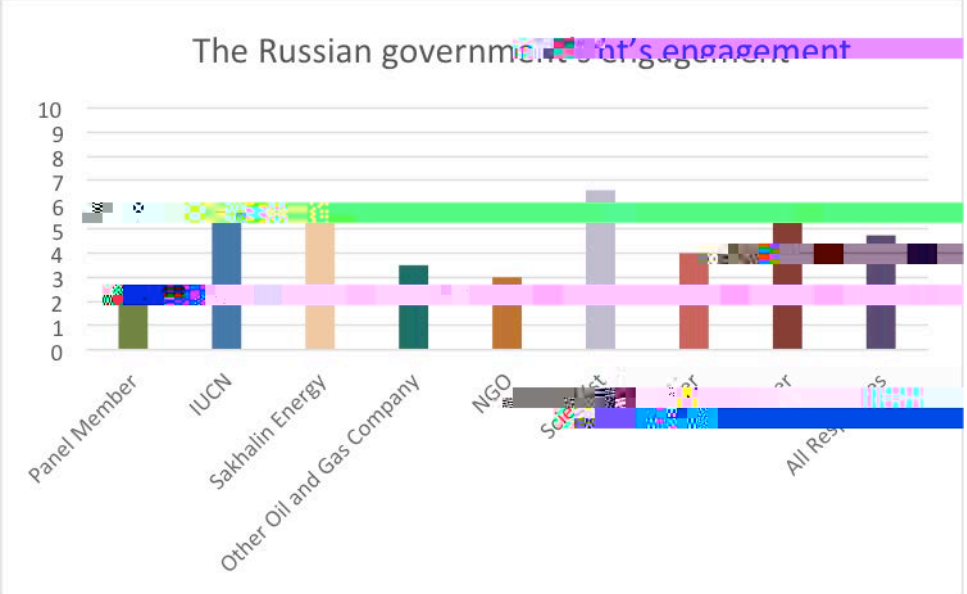
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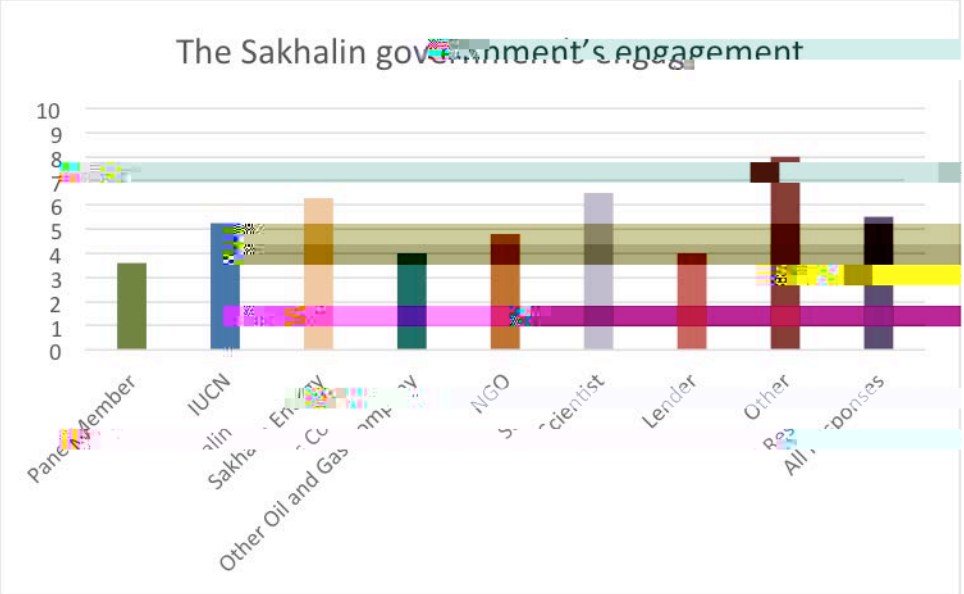
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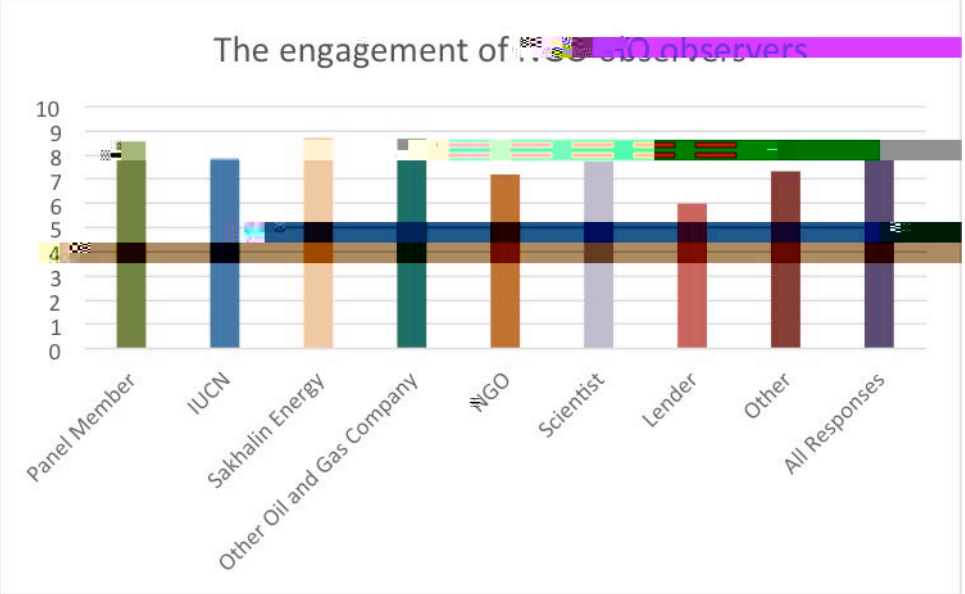
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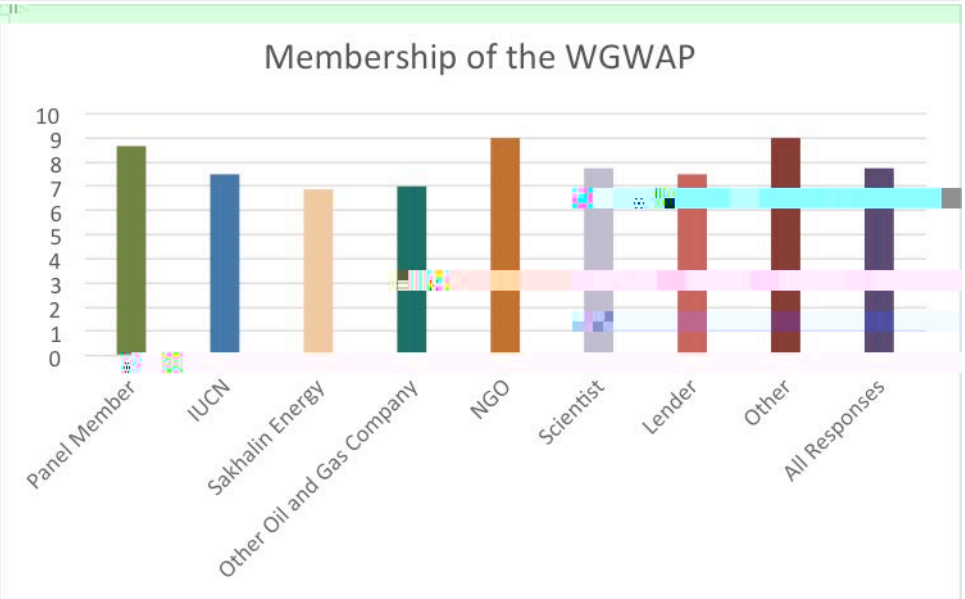
Membership of the WGWAP
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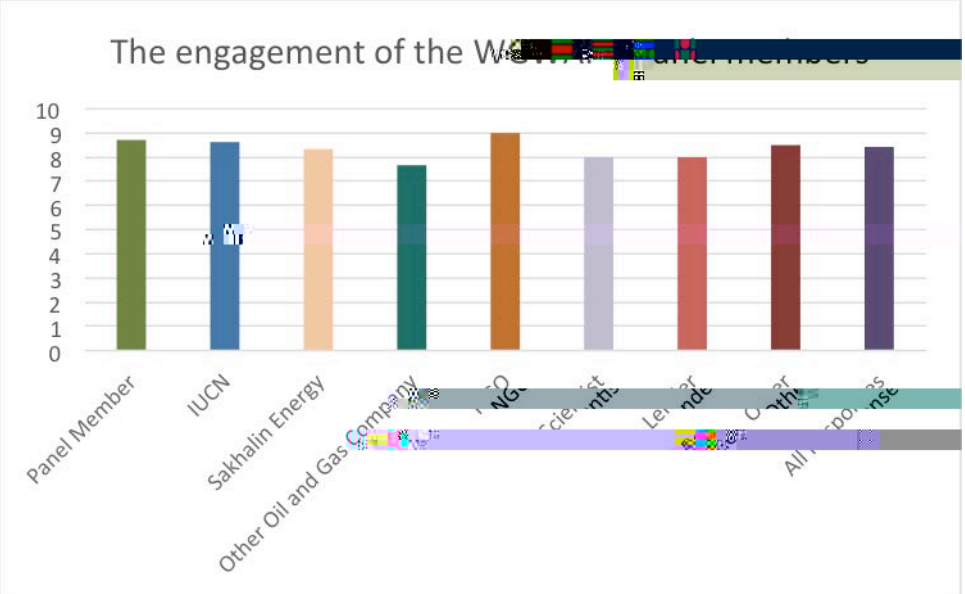
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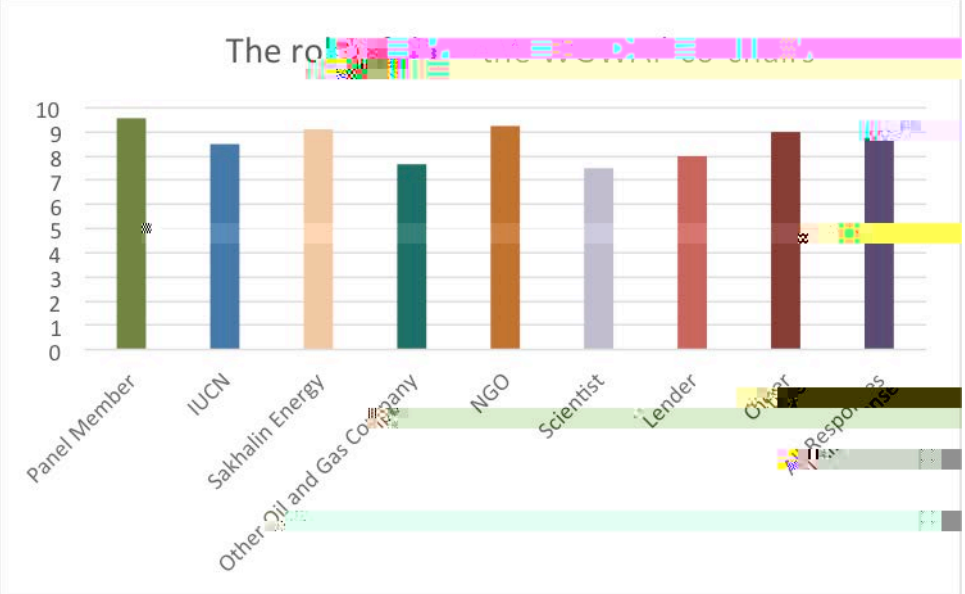
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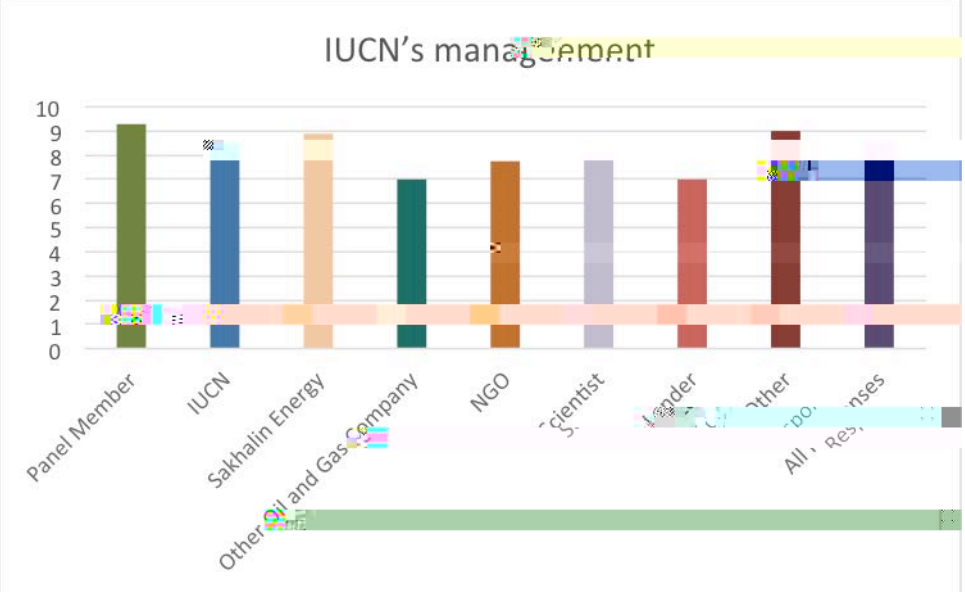
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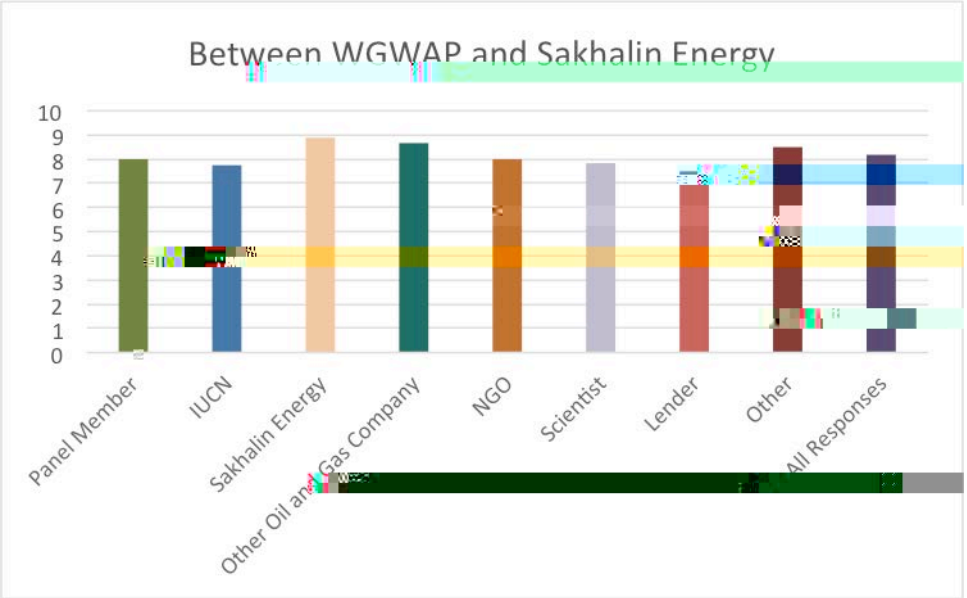
Between WGWAP and Sakhalin Energy
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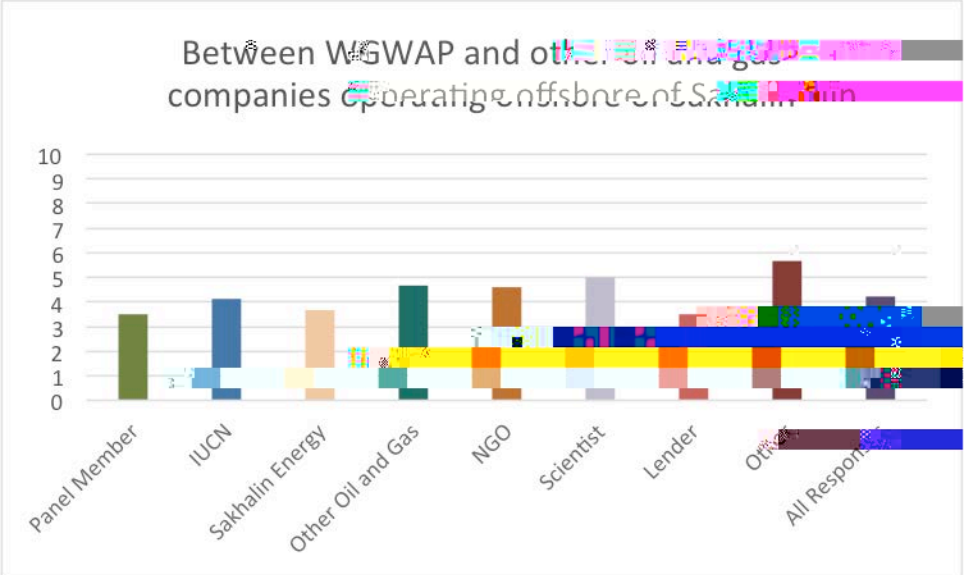
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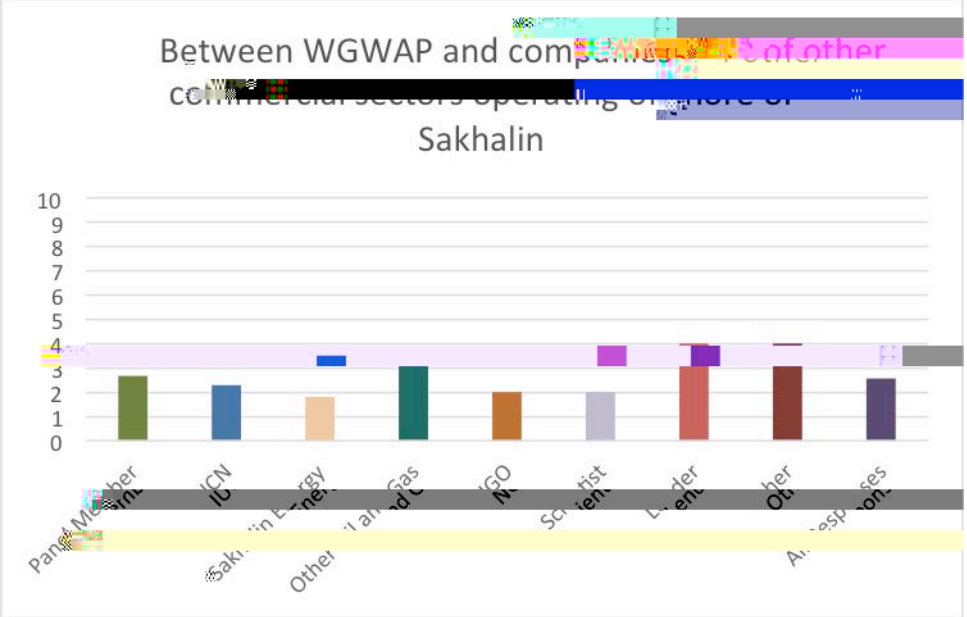
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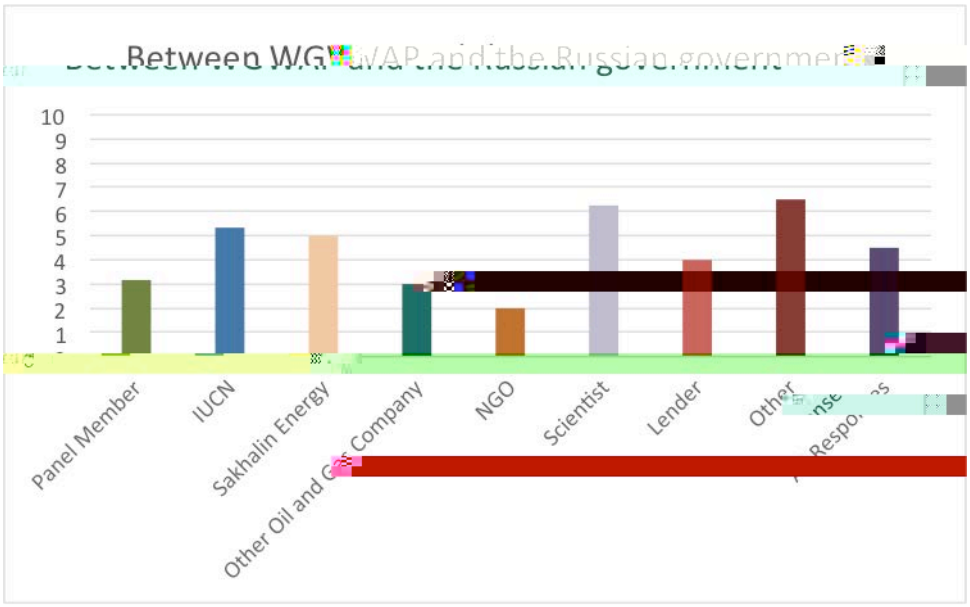
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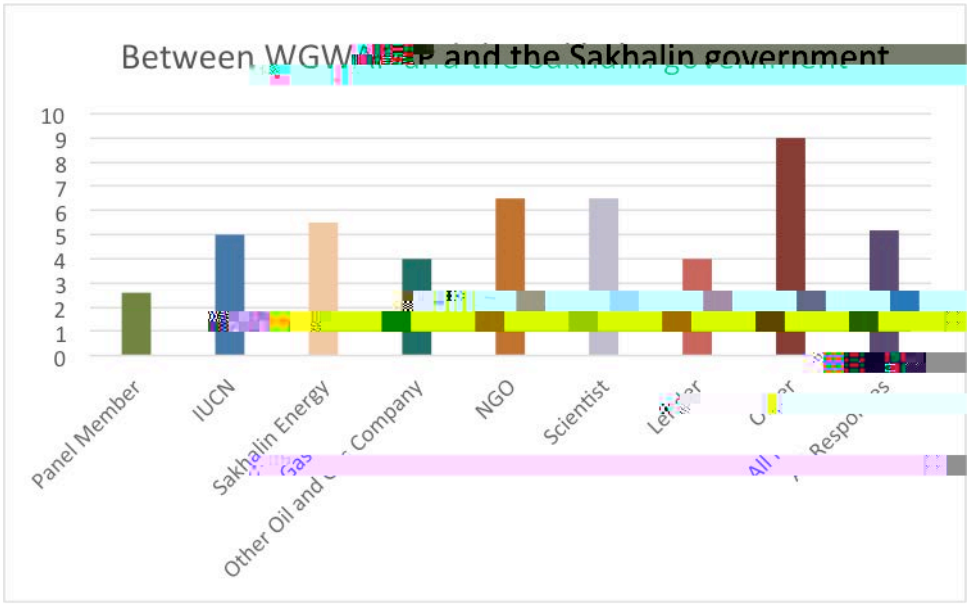
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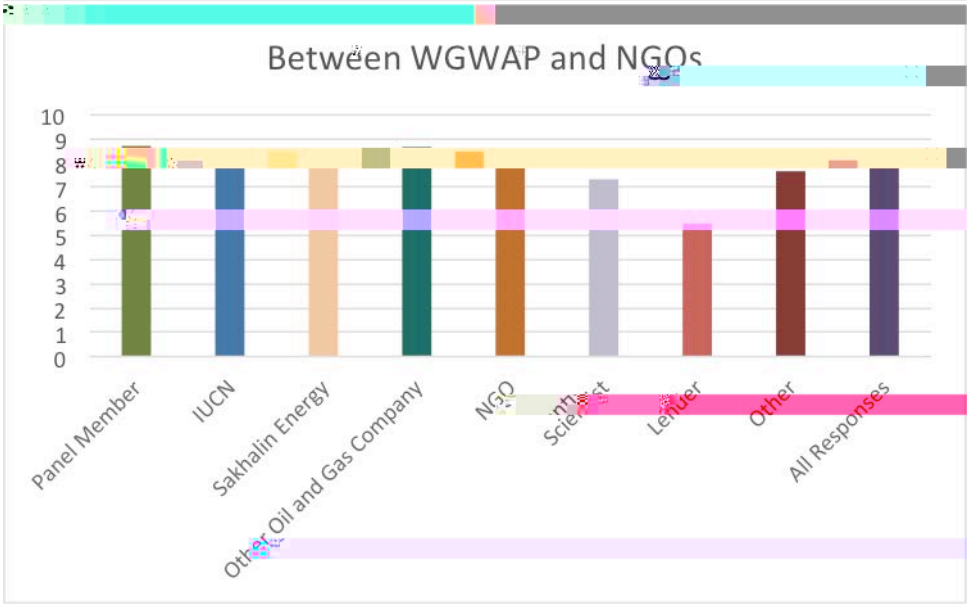
Between WGWAP and NGOs
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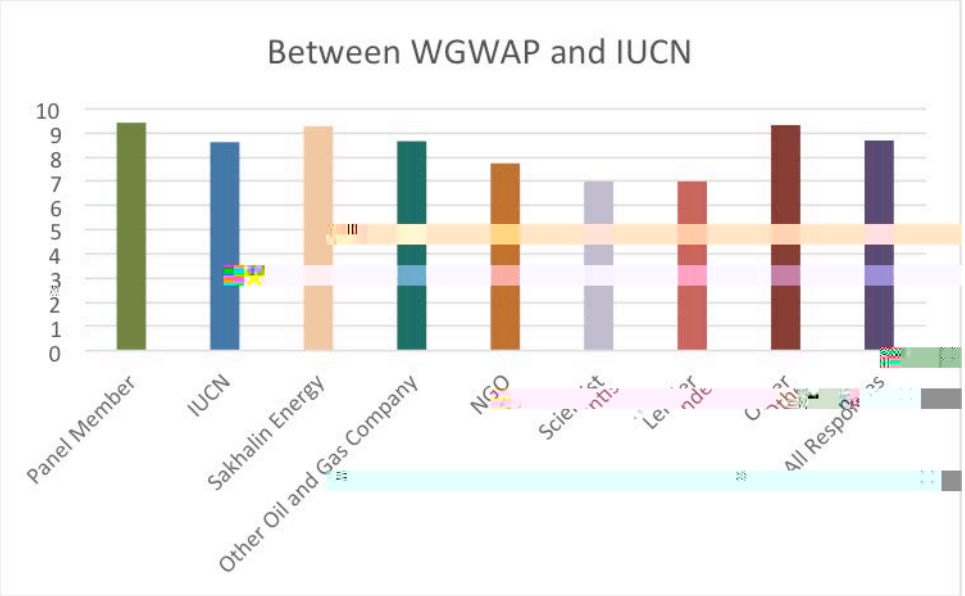
Between WGWAP and IUCN
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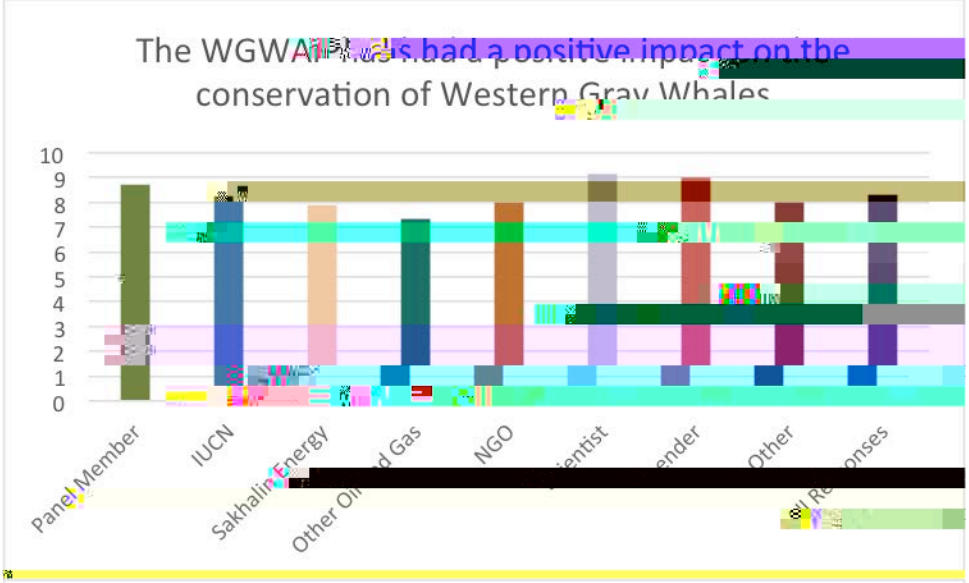
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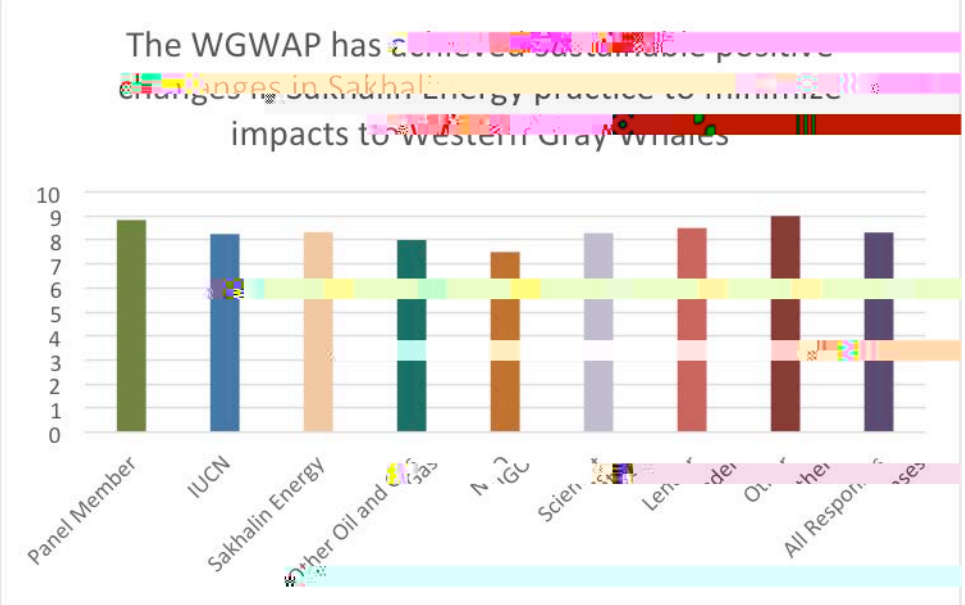
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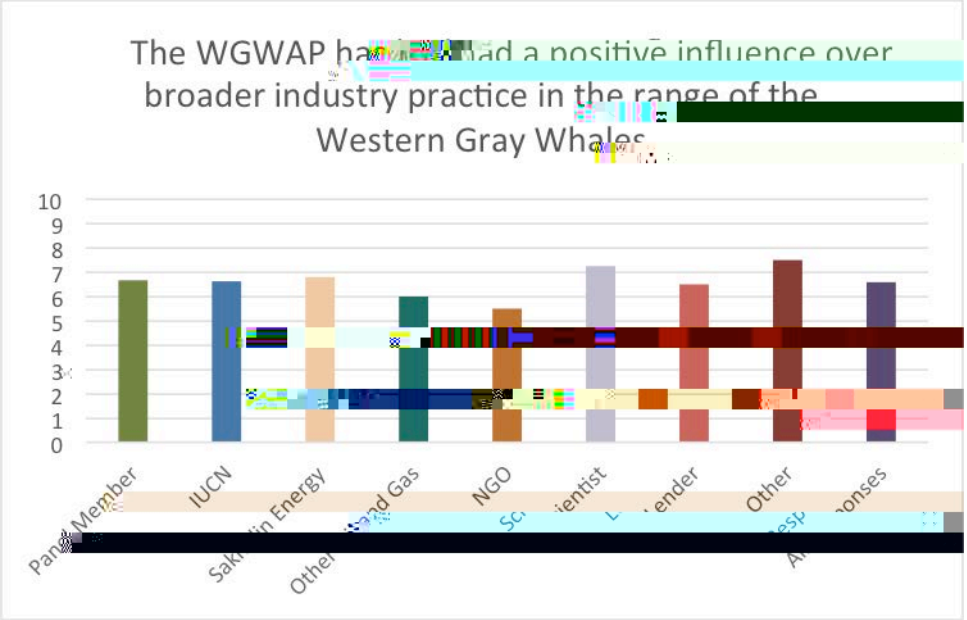
broader industry practice in the range of the
Western Gray Whales
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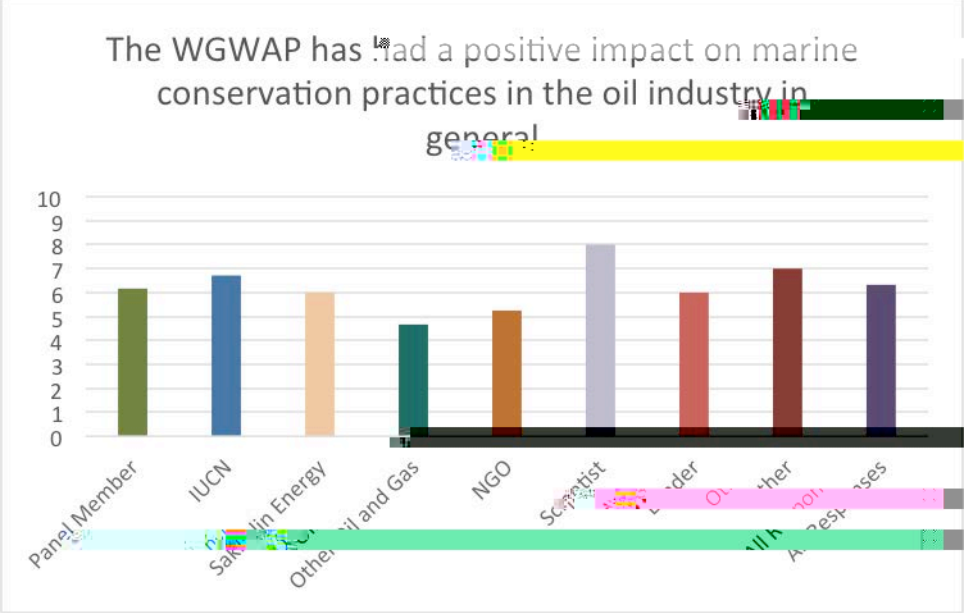
The WGWAP has had a positive impact on marine
conservation practices in the oil industry in
general
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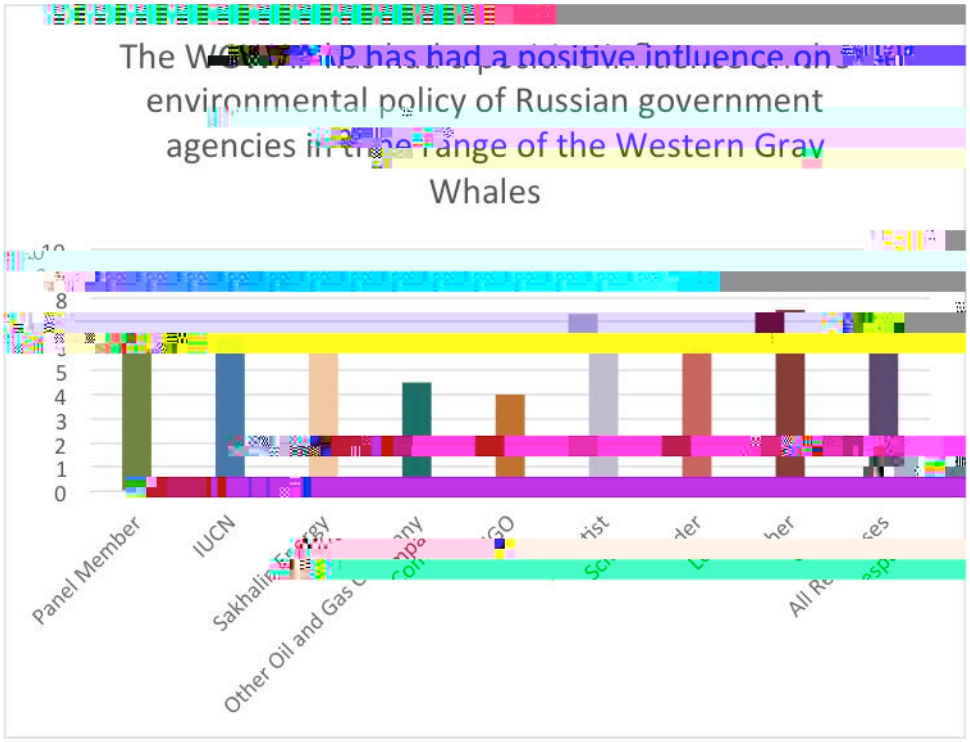
environmental policy of Russian government
agencies in the range of the Western Gray
Whales
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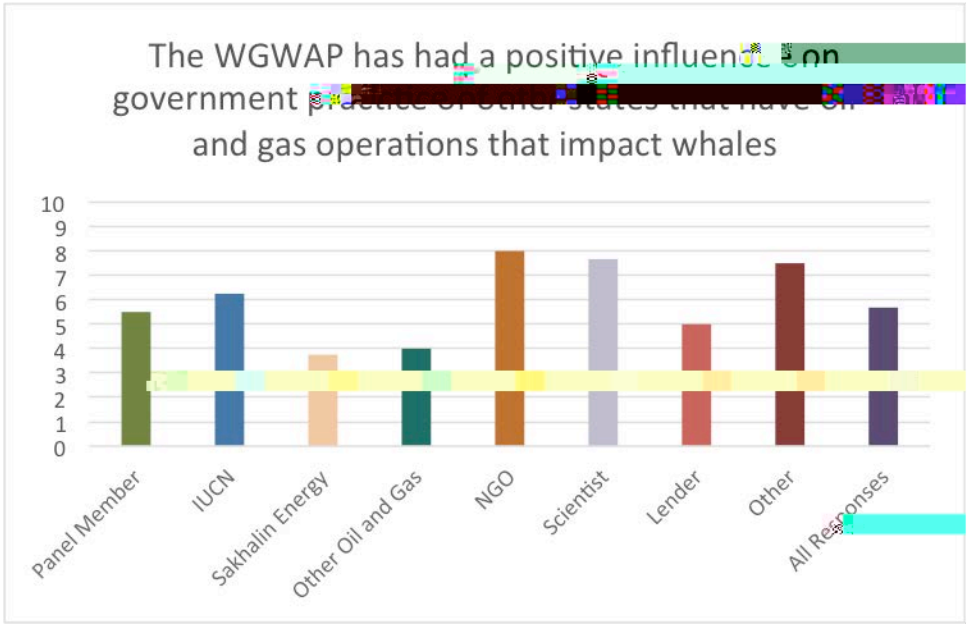
and gas operations that impact whales
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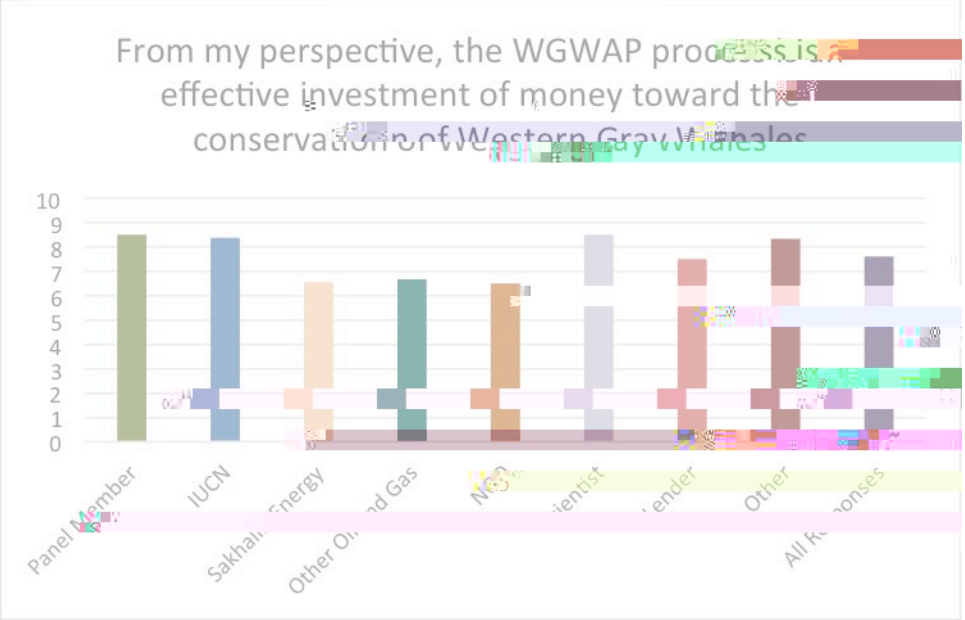
From my perspective, the WGWAP process is a
effective investment of money toward the
conservation of Western Gray Whales
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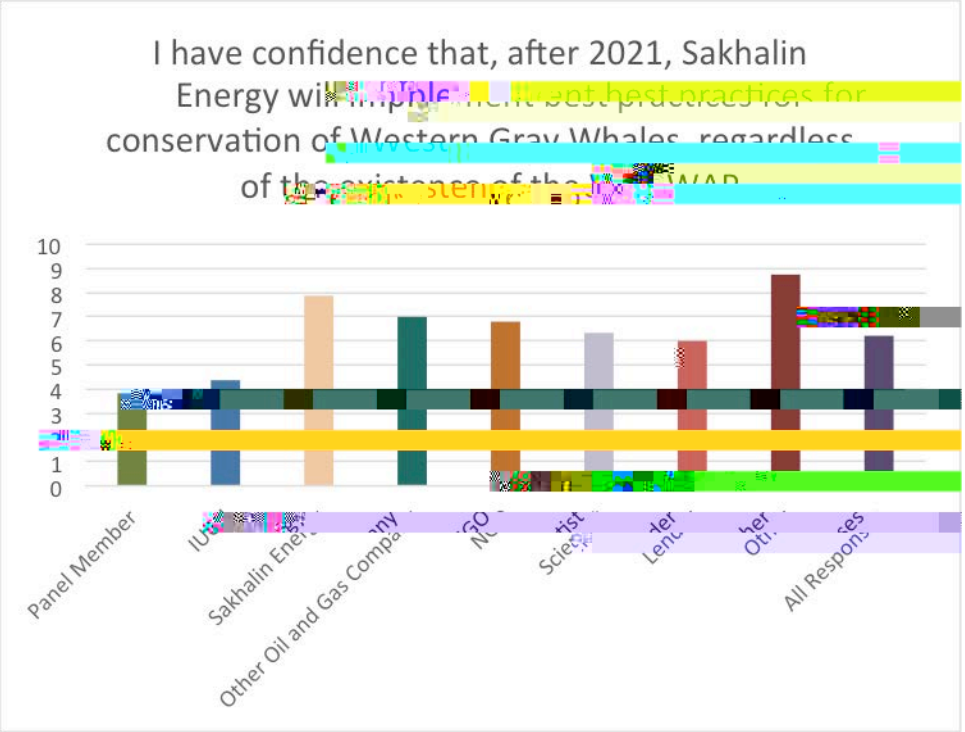
I have confidence that, after 2021, Sakhalin
conservation of Western Gray Whales, regardless
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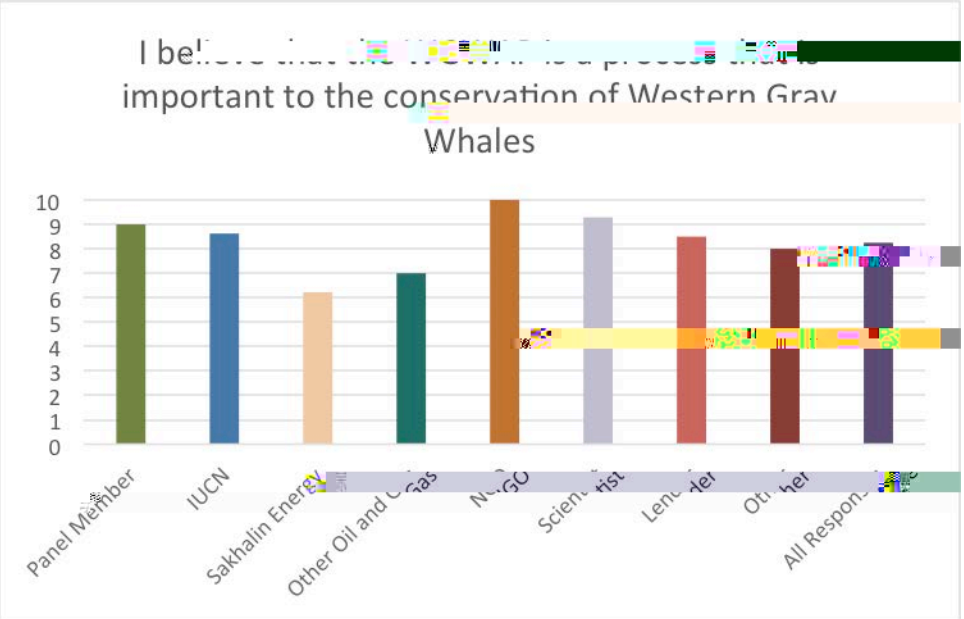
important to the conservation of Western Gray
Whales
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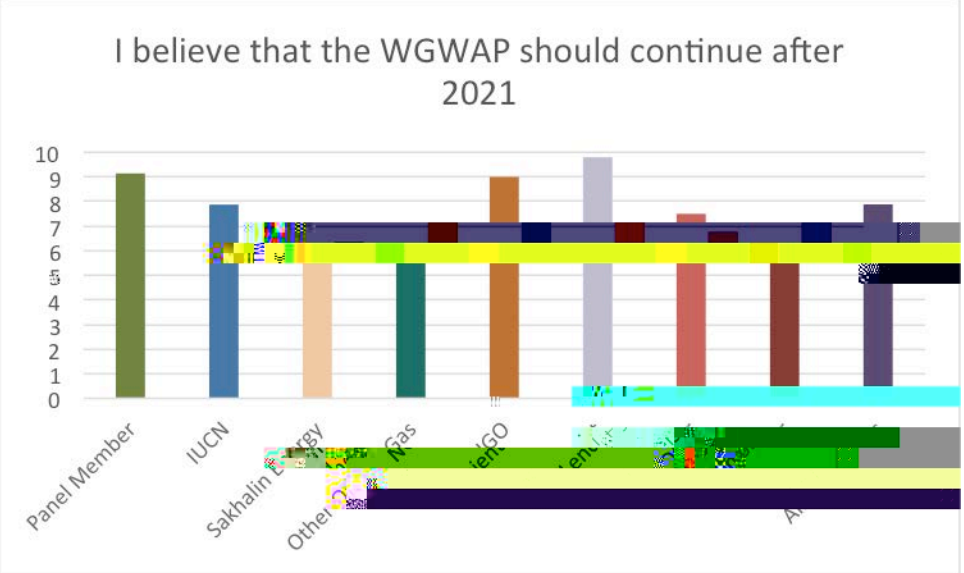
I believe that the WGWAP should continue after
2021
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