INCIDENT STATUS REPORT SUMMARY

CONTEXTUAL INFORMATION

Incident Name	Te Kākahu-o-Tamatea/Chalky Island Pest Incursion			
Location	Te Anau	Started Date	30 August 2022	
Probable Cause	Pest Incursion on Fiordland Islands	Estimated Area Involved	Chalky Island – 514 ha	
Current threat	Te Kākahu-o- Tamatea/Chalky Island – 1 one stoat	Control problems	 Reincursion of predators on Chalky Island No stoat caught – recently seen on cameras Staff resourcing for current and planned response A mast year is approaching. This increases the importance of the operation's efforts Managing field teams in remote locations 	

Ngāi Tahu

- There is a dedicated iwi liaison (Deidre Ver oe and John Lucas fulfilled this role during the incursion response).
- Dedicated liaison with updates taking place at Kaitiaki Ropu ki Murihiku for the work the operation is doing.
- Iwi are supportive of operation to date and want to be kept informed of any significant developments via Deidre.
- Interest is very high for Te Kākahu-O-Tamatea / Chalky Island (kakapo, kiwi, lizards, titi, tieke)
- TRONT reps on the recovery groups for kakapo, kiwi and moha all supportive of work to date and informed.

Co-operating agencies

- Fire and Emergency New Zealand (FENZ)
- Iwi (via Deidre Vercoe and John Lucas)
- Environment Southland
- Pure Salt
- JFN Underia Project working in Dusky Sound with support from Southern Winds Zero Invasive Pests (ZIP)

Factors

- Trapping still considered best approach for success at scale.
- Escalation of response to include toxin will have substantial cost and degree of delay though higher probability of success.
- DOC staff with CIMS knowledge and experience is limited. The incident presents a good opportunity for staff development to include shadowing. This is a cost.
- Public interest is currently low only one media article.

Predicted Incident Development

- RELEASED UNDER THE OFFICIAL INFORMATION ACT

INCIDENT STATUS REPORTS

DATE	26/10/2022	ESTIMATED COST TO DATE	\$14,172.27

Current Threat

- One stoat identified to date on Chalky.
- No stoat caught recently seen on cameras.

Factors

Field

- Very limited availability of skilled/qualified trappers and handlers for stoat work on Chalky Island.
- Escalation of response to include toxin will have substantial cost and degree of delay though higher probability of success.
- Currently three people on the island.

TAG

- TAG interaction is functioning well. Kakapo, Lizards, mohua, fiordland crested penguins and Tieke teams have provided their TAG advice. With current situation, only Lizard TAG flagging action required after incursion or within reasonable time if stoat not caught to secure species protection.
- TAG recommends the focus should be on doing a good job of the basics and building from there.

Other

Covid wave peaking. Covid has high potential to disrupt field and/or IMT operations.
 Protocols have been adjusted to reflect this: daily RAT or masks in IMT, pre-departure RAT for field teams.

Predicted Incident Deve opment

- **Continue:** to maintain a well-delivered trapping programme.
- Decision-tree in development which (and after review by TAG) will guide Operational options.

Scenario

Te Kakahu-O-Tamatea / Chalky Island – 1 male stoat currently identified

- Maintain and monitor established trap and detection network incl. cameras until stoat is caught.
- Continue until stoat is caught.
- Seek TAG advice on any changes to methods.

DATE	1/11/2022	ESTIMATED COST TO DATE	\$51,940

- One stoat identified to date on Chalky.
- No stoat caught recently seen on cameras.

Factors

Field

- Very limited availability of skilled/qualified trappers and handlers for stoat work on Chalky Island.
- Escalation of response to include toxin will have substantial cost and degree of delay though higher probability of success.
- Currently three people on the island.

TAG

 TAG engagement issue has been resolved. TAG has been effective, though communications somewhat fraught.

Other

• Public interest is currently low – only one media article.

Predicted Incident Development

• **Continue:** to maintain a well-delivered trapping programme.

Scenario

Te Kākahu-O-Tamatea / Chalky Island -1 male stoat currently identified

- Increase, maintain and monitor established trap and detection network.
- Continue until stoat is caught.
- Seek TAG advice on any changes to methods.

DATE		ESTIMATED COST TO DATE	\$80,715
Current Weather	Windy for both sites, gusting 50-60kmph Tue/Wed.		Wind and seas easing, some low cloud and light showers through this week.

- One male stoat identified to date on Chalky.
- No stoat caught last on camera 1 Nov at fake den 5

Factors

Field

- Very limited availability of skilled/qualified trappers and handlers for stoat work on Chalky Island.
- Currently three people on the island.

TAG

- TAG interaction is functioning well. Kakapo, Lizards mohua, fiordland crested penguins and Tieke teams have provided their TAG advice. With current situation, only Lizard TAG flagging action required after incursion or within reasonable time if stoat not caught to secure species protection.
- TAG recommends the focus should be on doing a good job of the basics and building from there.

Other

Covid wave peaking. Covid has high potential to disrupt field and/or IMT operations.
 Protocols have been adjusted to reflect this: daily RAT or masks in IMT, pre-departure RAT for field teams.

Predicted Incident Development

• **Continue:** to maintain a well-delivered trapping programme.

Scenario

Te Kākahu-O-Tamatea / Chalky Island – 1 male stoat currently identified

- Maintain and monitor established trap and detection network incl. cameras until stoat is caught.
- Check Passage Island traps fortnightly on Chalky staff rotation days. Request going to TAG to confirm return time in this week's TAG update.
- Dogs will not be deployed on to Chalky again until a minimum of 2 weeks after the stoat is caught (to prevent disturbance of the stoat pre-capture).
- Seek TAG advice on any changes to methods.

DATE		ESTIMATED COST TO DATE	Div 1 Chalky - \$80,715
Current Weather	Reasonably fine over the last few days with moderate wind and temperatures on both islands.		Cloudy with some showers through the week, winds gusting 80-100kmph on Tues with 3-4m swells. 20kmph winds on Thurs/Fri.

- One male stoat identified to date on Chalky.
- No stoat caught last on camera 1 Nov at fake den 5

Current Risk Factors

- Continuity risks during 17 Nov IMT handover: full IMT change over 2-day period.
- Very limited pool of key skills: dinghy skippers / skilled trappers / dog handlers.
- Southern Winds is required to run safe/efficient coastal trapping at scale required.
- Potential for covid to impact on operations in field or IMT.

Factors

Field

- The stoat on Chalky has not been detected since 1 Nov. It is not unusual in incursions for a stoat to 'disappear' for a while and be detected again further into the operation.
- Currently three people on the island

TAG/IMT

- Urgent critical issue remains IMT capacity for managing and processing data from all trips. This is impacting how effectively the TAG can advise the operation on next steps.
- Scenario-based advanced planning for field work over the next four weeks (including Christmas) has begun
- Staffing the IMT (combined with Resolution incursion) remains extremely challenging. Direct requests to specific staff is the most effective method, however this relies on networks and relationships at 20 plus staff per two week rotation this is time consuming and stressful. A full-time role is dedicated to this.

Ongoing Management

- Scenarios for the eradication of pests beyond the current plans through to and after
 Christmas are being developed currently but are not yet socialised with governance. Advance planning is underway for aerial brodifacoum PAPP application for the stoat on Chalky.
- Further work is required to give governance the level of detail they need to make decisions about pathways of incursion management and scaling of the operation.
- The current CIMS/IMT approach to managing the response is resource heavy and inefficient. Handovers slows momentum and creates risk.
- There is urgent work underway to provide advice for Governance on a sustainable approach to management of the incursions beyond the CIMS/IMT stage. This will likely be a project style approach. SLT will discuss this on 15 Nov.

District Office

- Key IMT and field roles requiring local staff have been identified, and are being filled.
- There may need to be better long term planning and engagement within the district office around prioritising work to free resource and communicate with staff. This will include a longer term look at the Southern Winds schedule and general district field operations.

Other

• Public interest remains low

Predicted Incident Development

• Continue: to maintain a well-delivered trapping programme on Chalky

Scenario

Te Kākahu-O-Tamatea / Chalky Island – 1 male stoat currently identified

- Maintain and monitor established trap and detection network incl. cameras until stoat is caught.
- Check Passage Island traps fortnightly on Chalky staff rotation days Request going to TAG to confirm return time in this week's TAG update.
- Detection dog trip to Passage Island planned for 4 Dec. This will expand to include Chalky Island if stoat remains undetected by 4 Dec.
- Seek TAG advice on any changes to methods.

CRITICAL ISSUES TRACKER

leave	Status (Carrage and
Issue	Status/Comment
field data (camera images and trap check/bait records) is recorded, cleaned, uploaded, and processed ready for analysis.	Ongoing: the crunch point is keeping Technical Specialist time focused on setting up the systems/procedures and then catching up on the backlog of data processing. Some of the data backlog can be supported by non-technical roles and that is underway. Until we can provide clear responses to the data requests made by TAG, TAG
	is limited in their ability to guide the operation.
	Ongoing: the resource crunch in the Technical Specialist area is starting to resolve with a clear
	workplan and priorities for each person working in the Technical Specialist role. This role is rotating amongst three individuals to reduce handover churn and allow clear focus on priorities and future response options.
delivery during change overs.	Ongoing: recommend for future IMT rotations that key roles (unit managers for operations, planning and logistics) have a soft change over where there is at least two full days of overlap between personnel.
skilled trappers / dog handlers.	Ongoing: working with Rachael Moore to secure staff where we can but note this will be an ongoing pinch point for key field roles like trappers and dog handlers which are limited in supply nationally.

How to ensure the move to a project	Ongoing: advanced planning is underway for
management framework integrates with advance	
planning.	Chalky, and translocation triggers/planning) but
	does not cover future operational structures
How to develop an engagement strategy to consider ZIP advice during the operation.	Ongoing: IC to liaise with Rachael about how to shape this task further.
What if covid impacts the operation.	Ongoing risk but management in place: updated covid controls in use for field and IMT.
How to ensure there are no surprises in IMT expenditure.	Resolved. IC has communicated to IMT a no surprises policy on large expenses and asked resources to forecast large lumps of invoices IC to give Aaron a heads up on days where operation may exceed 10k limit.
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DATE	22/11/2022	ESTIMATED COST TO DATE	Div 1 Chalky - \$84,904
Current Weather	Not recorded.	Predicted Weather	Not recorded.

- One male stoat identified to date on Chalky.
- No stoat caught last on camera 1 Nov at fake den 5

Current Risk Factors

- Intelligence flow needs to be more timely to enable good tech advice are improving systems
 for field data processing and upload (camera images, trap check/bait records); and have
 improved briefing of outgoing field teams to reinforce understanding of the need for quality
 data
- Proposing to elevate lead relationship with TAG to Planning/Intel manager
- Planning not sitting within this IMT structure or status report. Will assist as required.
- Resourcing remains a challenge
- Have not secured IMT members for next rotation. Work is underway
- Very limited pool of key skills: skippers / skilled trappers / dog handlers / ICs
- Southern Winds availability was previously uncertain but has been confirmed
- Operations: Handovers for field teams have been occurring at the same time as IMT handovers. This risks inaccurate briefing and debriefing. Planning to put these handovers out of sync

Factors

Field

- The stoat on Chalky has not been detected since 1 Nov. It is not unusual in incursions for a stoat to 'disappea' for a while and be detected again further into the operation.
- Currently two people on the island.

TAG/IMT

- Ongoing work to improve delivery of data to TAG. This is impacting how effectively the TAG can advise the operation on next steps.
- Scenario-based advanced planning for field work over the next four weeks (including Christmas) has begun. More detailed planning schedules for post-aerial brodifacoum work needs to commence.
- Staffing the IMT remains challenging. Direct requests to specific staff is the most effective method, however this relies on networks and relationships. A full-time role is dedicated to this.

Ongoing Management

- Preliminary planning has commenced for a potential PAPP operation on Chalky Island
- The current CIMS/IMT approach to managing the response is resource heavy. High rotation and handovers slows momentum and creates risk.

District Office

- Key IMT and field roles requiring local staff have been identified, and are being filled.
- There may need to be better long term planning and engagement within the district office around prioritising work to free resource and communicate with staff. This will include a longer term look at the Southern Winds schedule and general district field operations.

Other

• Public interest remains low

Predicted Incident Development

• Continue: to maintain a well-delivered trapping programme on Chalky.

Scenario

Te Kākahu-O-Tamatea / Chalky Island – 1 male stoat currently identified

- Maintain and monitor established trap and detection network including cameras.
- Seeking TAG advice on timeframes and shifts in priorities if stoat continues to remain undetected.
- Detection dog trip to Passage Island planned for 4 Dec. This will expand to include Chalky Island if stoat remains undetected by 4 Dec.
- Seek TAG advice on any changes to methods.

CRITICAL ISSUES TRACKER

Issue	Status/Comment
How to provide governance with visibility on eradication options to inform future response structure.	Ongoing: the resource crunch in the Technical Specialist area is starting to resolve with a clear workplan and priorities for each person working in the Technical Specialist role. This role is rotating amongst three individuals to reduce handover churn and allow clear focus on priorities and future response options.
How to ensure continuity of role function and delivery during change overs.	Ongoing: recommend for future IMT rotations that key roles (unit managers for operations, planning and logistics) have a soft changeover where there is at least two full days of overlap between personnel.
What if we can't secure the right people from the very limited pool of key skills: dinghy skippers / skilled trappers / dog handlers.	Ongoing: working to secure staff where we can but note this will be an ongoing pinch point for key field roles like trappers and dog handlers which are limited in supply nationally.
How to ensure the move to a project management framework integrates with advance planning.	Ongoing: advanced planning is underway for specific control tactics (e.g. PAPP for stoat on Chalky, and translocation triggers/planning) but does not cover future operational structures
How to develop an engagement strategy to consider ZIP advice during the operation.	Ongoing: IC to liaise with Rachael about whether this is resolved. May no longer be an issue.

What if covid impacts the operation.	Ongoing risk but management in place: updated covid controls in use for field and IMT.
How to ensure there are no surprises in IMT expenditure.	Resolved. IC has communicated to IMT a no surprises policy on large expenses and asked resources to forecast large lumps of invoices. IC to give Aaron a heads up on days where operation may exceed 10k limit.

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DATE	13/12/2022	ESTIMATED COST	Div 1 Chalky - \$91,210
		TO DATE	

- One male stoat identified, last evidence 8 Dec.
- Also signs of presence on nearby Passage island

Summary

- Close down for Christmas will start after 22 Dec when trip C15 comes off Te Kākahu-O-Tamatea / Chalky Island.
- Entering long term surveillance. Planning for an IAP that delivers this is a priority.
- Media Release draft underway and Intranet story due for Thursday
- The stoat was last seen on camera 8 Dec at a new camera site.
- Dog and trapper on site until 22 Dec.

Ngai Tahu

- Deidre Vercoe continues as iwi liaison.
- Iwi are supportive of operation to date and want to be kept informed of any significant developments via Deidre.
- Interest is very high for Te Kākahu-O-Tamatea / Chalky Island (kakapo, kiwi, lizards, titi, tieke)
- TRONT reps on the recovery groups for kakapo, kiwi and moha all supportive of work to date and informed.

Comms/PIM

- Proactive media release being drafted
- Intranet story queued for Thursday 15
- Public interest remains low.
- 'Dog Squad' TV cameraman joined trip C12 . This programme routinely works with the Conservation Dogs programme.

Predicted Incident Development

- Continue to maintain a well-delivered trapping programme on Chalky.
- Aim to innovate and develop new idea/s to roll out what we are doing now has not had any result
- Schedule detection dog trip to Chalky Island and Passage island
- Seek TAG advice on any changes to methods.
- As this is expected to be a long term response, the next IAP will include a longer term lens.

CURRENT RISK FACTORS

IMT Decision making and accountability

- Distributed team, IMT members located in district office and IMT members switching between BAU role and IMT role
- Teams making decisions outside IMT / IC accountability
- New IC and planning manager coming in plus transition to new structure could cause confusion/lack of discipline
- Robust handovers in place, focus on CIMS disciplines and managing workload of local team (ensuring they do not self-task to other work)

IMT Structure and staffing Significant discussions post 16 Dec structure led by Rachael Moore Stand down of operations for period 22 Dec - 9 Jan confirmed Strategic identification of functions to be provided within Te Anau Ops and nationally. Moving from two week IMT rotations to long term posting in train National liaison team standing up to support response, Rachael M going on Resourcing Demob plan for closure of IMT base at Holiday underway Staff suitability – aiming to use field staff within driving distance, or previously deployed Advanced planning Development of the Surveillance Plan, complete Thurs COB TAG advice incorporated into surveillance plan. Understanding the capability and capacity requirements to both strategically plan and to data wrangle is required. Work on a potential PAPP operation is being scoped to the stage of testing lures to ensure palatability before proceeding to approval. Health and safety Number one Objective.

DATE	17/1/2023	ESTIMATED COST	Div 1 Chalky - \$124,368
		TO DATE	

- One male stoat identified, last evidence 8 Dec.
- Also signs of presence on nearby Passage island

Summary

- Close down for Christmas was successful. No issues arose during the close down.
- Start up again on 9 Jan was smooth. Planning for trips to Te Kākahu-O-Tamatea / Chalky Island underway.
- Long term surveillance still key objective of IAP.
- Operations needs to consider how to get trip briefing material to participants earlier.
- C15 debriefed 22/12/22 and following up on actions underway.
- Planning for C16 underway.

Ngai Tahu

- Deidre Vercoe continues as iwi liaison.
- Iwi are supportive of operation to date and want to be kept informed of any significant developments via Deidre.
- Interest is very high for Te Kākahu-O-Tamatea / Chalky Island (kakapo, kiwi, lizards, titi, tieke)
- TRONT reps on the recovery groups for kakapo, kiwi and moha all supportive of work to date and informed.

Comms/PIM

- Intranet story being drafted for publishing week 23 Jan.
- Public interest remains low.

Predicted Incident Development

- Continue to maintain and monitor the trap and camera network.
- Aim to innovate and develop new idea/s to roll out what we are doing now has not had any
 result
- IAP Ver 67 sets a onger-term lens.
- First trip 2023 on 20 Jan; constant staffing thereafter.

CURRENT RISK FACTORS

MT Decision making and accountability



- Distributed team, IMT members located in district office and IMT members switching between BAU role and IMT role
- Risk of teams making decisions outside IMT / IC (Incident Controller) accountability.
- New IC and planning manager in place.
- Robust handovers in place, focus on CIMS disciplines and managing workload of local team (ensuring they do not self-task to other work)

IMT Structure and staffing Stand down of operations for period 22 Dec - 9 Jan completed Logistics Manager role key to support IMT. Moving from two-week IMT rotations to long-term posting. Resourcing Demob plan for closure of IMT base at Lake View_Holiday Park completed 24 December. Keys handed back. IMT established in Te Anau office. Starlink for IMT now being used in Te Anau Workshop. Staff suitability – aiming to use field staff within driving distance, or previously deployed. Advanced planning Development of the IAP to implement Surveillance Plan completed TAG (Technical Advisory Group) advice incorporated into surveillance plan. Understanding the capability and capacity requirements to both strategically plan and to data wrangle is required. Work on a potential PAPP operation is being scoped to the stage of testing lures to ensure palatability before proceeding to approval. Developing a "stopping rule" for Chalky to be initiated once new Planning Manager is up to speed. Health and safety Number one Objective.

DATE	31/1/2023	ESTIMATED COST	Div 1 Chalky - \$136,345
		TO DATE	

- One male stoat identified, last evidence 8 Dec.
- Also signs of presence on nearby Passage island

Summary

- Following close down for Christmas was successful. Trips have been underway on Chalky from 20 Jan
- The current IAP delivering on the ongoing stoat response plan on Chalky runs to 8 Feb. The next IAP being developed continues with these same objectives.
- Need to consider options for "what next" if current plans do not work and how to transition.
- Stoat presence has been confirmed (cameras, footprints), as recently as late January.
- Schedule of trips has trapping, cameras, dog searching in place.
- One scheduled trip 1-15 Feb has been cancelled.

Ngai Tahu

- Deidre Vercoe continues as iwi liaison.
- Iwi are supportive of operation to date and want to be kept informed of any significant developments via Deidre.
- Interest is very high for Te Kākahu-O-Tamatea / Chalky Island (kakapo, kiwi, lizards, titi, tieke)
- TRONT reps on the recovery groups for kakapo, kiwi and moha all supportive of work to date and informed.

Comms/PIM

- Intranet public interest story published this week.
- Public interest remains low.

Predicted Incident Development

- Continue to maintain and monitor the trap and camera network.
- Aim to innovate and develop new idea/s to roll out what we are doing now has not had any
 result.
- IAP Ver 67 sets a longer-term lens.

CURRENT RISK FACTORS

MT Decision making and accountability

- Distributed team, IMT members located in district office and IMT members switching between BAU role and IMT role.
- Teams making decisions outside IMT / IC (Incident Controller) accountability.
- Focus on CIMS disciplines and managing workload of local team (ensuring they do not self-task to other work)

IMT Structure and staffing



- Strategic identification of functions to be provided within Te Anau Ops and nationally mostly completed, some gaps need to be resolved.
- Moving from two-week IMT rotations to long-term posting.
- National liaison team standing up to support response.

Resourcing Operations deputy role sought to better support field teams and Ops managers. Staff suitability – aiming to use field staff within driving distance, or previously deployed. Advanced planning Current IAP period to implement Surveillance Plan near completed. Revise scheduling and resourcing needs for next IAP to ensure surveillance objectives can be met. TAG (Technical Advisory Group) advice incorporated into surveillance plan. Understanding the capability and capacity requirements to both strategically plan and to data wrangle is required. Work on a potential PAPP operation is being scoped to the stage of testing lures to ensure palatability before proceeding to approval. When and how to develop a stopping rule for Chalky? Health and safety Number one Objective. AELERSED UNDER THE OFFICIAL SED UNDER THE OFF Ongoing radio issues on Chalky with multiple black spots – to be reviewed post 2 Feb trip return.

DATE	14/2/2023	ESTIMATED COST	Div 1 Chalky - \$151,367
		TO DATE	

- One male stoat identified, last evidence 8 Dec.
- Also signs of presence on nearby Passage island.

Summary

- New IAP, ver 68, for period 8 Feb-28 April written. Continues with same objectives as previous IAP.
- Need to consider options for "what next" if current plans do not work and how to transition.
- Some adjustments to planned trip schedules/tasking are being made due to the impact of cyclone Gabrielle on staff availability for those trips starting the week 13-19 Feb.
- Stoat presence has been confirmed (cameras, footprints), as recently as late January
- Schedule of trips has trapping, cameras, dog searching in place
- Planning is in progress to trial non-toxic bait (that could subsequently be used to deliver PAPP toxin) acceptance by the stoat and non-target animals.

Ngai Tahu

- Deidre Vercoe continues as iwi liaison.
- Iwi are supportive of operation to date and want to be kept informed of any significant developments via Deidre.
- Interest is very high for Te Kākahu-O-Tamatea / Chalky Island (kakapo, kiwi, lizards, titi, tieke)
- TRONT reps on the recovery groups for kakapo, kiwi and moha all supportive of work to date and informed.

Comms/PIM

- Biosecurity Magazine interest
- Minister status report prepared.
- Public interest remains low.

Predicted Incident Development

- Continue to maintain and monitor the trap and camera network.
- Aim to innovate and develop new idea/s to roll out what we are doing now has not had any
 result.
- IAP Ver 68 sets a longer-term lens.

CURRENT RISK FACTORS

IMT Decision making and accountability

- Distributed team, IMT members located in district office and IMT members switching between BAU role and IMT role
- Teams making decisions outside IMT / IC (Incident Controller) accountability.
- Focus on CIMS disciplines and managing workload of local team (ensuring they do not self-task to other work)

IMT Structure and staffing Strategic identification of functions to be provided within Te Anau Ops and nationally mostly completed, some gaps need to be resolved. Moving from two-week IMT rotations to long-term posting. National liaison team standing up to support response. Resourcing Staff suitability – aiming to use field staff within driving distance, or previously deployed. Impact of events outside the Region on staff availability and trip planning (e.g., Cyclone Gabrielle) Advanced planning Revise scheduling and resourcing needs as and when circumstances change to ensure surveillance objectives can be met. TAG (Technical Advisory Group) advice incorporated into surveillance plan. Understanding the capability and capacity requirements to both strategically plan and to data wrangle is required. Work on a potential PAPP operation is being scoped to the stage of testing lures to ensure palatability before proceeding to approval. When and how to develop a stopping rule for Chalky? Health and safety Number one Objective. IMT fatigue management, particularly Operations with high trip rotation/planning.

DATE	28/2/2023	ESTIMATED COST	Div 1 Chalky - \$175,128
		TO DATE	

- One male stoat identified, last evidence 8 Dec.
- Also signs of presence on nearby Passage island.

Summary

- New IC (Anita Middlemiss) and Intel and Planning Manager (Alicia Warren) starting.
- Intranet story went out this period with positive response.
- Funding received from Air New Zealand travel fund for Conservation Projects @\$6000 worth
 of travel.
- Project Assurance work to start as requested by Governance –meeting with IC, P and I Manager and Governance on Monday 6 March to scope process.
- Ongoing stoat presence has been confirmed (cameras, field sign, dog detection).
- Schedule of trips has trapping, cameras, dog searching in place.
- Planning is in progress to trial non-toxic bait (that could subsequently be used to deliver PAPP toxin) acceptance by the stoat and non-target animals. Cacophany trap to be introduced.

Ngai Tahu

- Deidre Vercoe continues as iwi liaison.
- Iwi are supportive of operation to date and want to be kept informed of any significant developments via Deidre.
- Interest is very high for Te Kākahu-O-Tamatea / Chalky Island (kakapo, kiwi, lizards, titi, tieke)
- TRONT reps on the recovery groups for kakapo, kiwi and moha all supportive of work to date and informed.

Comms/PIM

- Biosecurity Magazine interest
- Minister status report prepared.
- Public interest remains low.

Predicted Incident Development

- Continue to maintain and monitor the trap and camera network.
- Aim to innovate and develop new idea/s to roll out what we are doing now has not had any
 result
- IAP Ver 69 sets a longer-term lens.

CURRENT RISK FACTORS

IMT Decision making and accountability

- Distributed team, IMT members located in district office and IMT members switching between BAU role and IMT role
- Teams making decisions outside IMT / IC (Incident Controller) accountability.
- Focus on CIMS disciplines and managing workload of local team (ensuring they
 do not self-task to other work).

IMT Structure and staffing Strategic identification of functions to be provided within Te Anau Ops and nationally mostly completed, some gaps need to be resolved. Moving from two-week IMT rotations to long-term posting. National liaison team standing up to support response. Significant portion of IMT cycling out next period which could lead to disruption. Resourcing Staff suitability – aiming to use field staff within driving distance, or previously deployed. Impact of events outside the Region on staff availability and trip planning (e.g., Cyclone Gabrielle) Advanced planning Revise scheduling and resourcing needs as and when circumstances change to ensure surveillance objectives can be met. TAG (Technical Advisory Group) advice incorporated into surveillance plan. Understanding the capability and capacity requirements to both strategically plan and to data wrangle is required. Work on a potential PAPP operation is being scoped to the stage of testing lures to ensure palatability before proceeding to approval. When and how to develop a stopping rule for Chalky? Health and safety Number one Objective. IMT fatigue management, particularly Operations with high trip

rotation/planning.

DATE	15/3/2023	ESTIMATED COST	Div 1 Chalky - \$180,298
		TO DATE	

- One male stoat identified, last evidence 8 Dec.
- Also signs of presence on nearby Passage island.

Summary

- Ongoing stoat presence has been confirmed (cameras, field sign, dog detection).
- Next Chalky Island trip cancelled due to limited capacity in Operations to organise, brief and support the trip. Staff were reprioritised to respond to Resolution rodent reports.
- Expect to resume previous schedule of trips from 29 March.
- Cancellation of 15 March has delayed the trial of non-toxic bait (that could subsequently be
 used to deliver PAPP toxin) acceptance by the stoat and non-target animals. Planning
 occurring for Cacophony trap has also been delayed.
- Project Assurance work to start as requested by Governance –meeting with IC, Planning, Ben Reddix and Hilary Aikman completed.
- Progress on Incursion Response Update to SLT slowed as new IC & PIM started.
- New IC (Anita Middlemiss), Intel and Planning Manager (Alicia Warren), Logistics Manager (Chris Haszard), PIM (Jazz Beckett) started since last Status update.

Ngai Tahu

- Deidre Vercoe continues as iwi liaison.
- Iwi are supportive of operation to date and want to be kept informed of any significant developments via Deidre.
- Interest is very high for Te Kākahu-O Tamatea / Chalky Island (kakapo, kiwi, lizards, titi, tieke)
- TRONT reps on the recovery groups for kakapo, kiwi and moha all supportive of work to date and informed.

Comms/PIM

- Biosecurity Magazine interest
- Minister status report prepared.
- Public interest remains low.

Predicted Incident Development

- Continue to maintain and monitor the trap and camera network.
- Aim to innovate and develop new idea/s to roll out what we are doing now has not had any
 result.
- IAP Ver 70 sets a longer-term lens.

CURRENT RISK FACTORS

IMT Decision making and accountability



- Distributed team, IMT members located in district office and IMT members switching between BAU role and IMT role
- Teams making decisions outside IMT / IC (Incident Controller) accountability.

IMT Structure Significant portion of IMT will be new in March/April. Effective handover and new staff shadowing existing IMT aims to reduce knowledge gap risks. Focus on CIMS disciplines and managing workload of local team. Additional resource requirements identified to overcome the workload management issues in Operations. Have moved from two-week IMT rotations to long-term postings. Moving to a minimum of a six-week staff commitment. National liaison team standing up to support response. Staff resourcing Ongoing challenge to source staff with the capability and capacity to support the operation. Planning & Operations positions particular concern in coming fortnight. Working with Liaison to sources these both within SSI and more widely (specialist Planning positions). Impact of events outside the Region on staff availability and trip planning (e.g., Cyclone Gabrielle) Potential to respond to new incursions limited Current staff numbers, equipment, dog detection resource could not respond effectively to a proven new incursion site. Advanced planning Revise scheduling and resourcing needs as and when circumstances change to ensure surveillance objectives can be met. TAG (Technical Advisory Group) advice incorporated into surveillance plan. Work on a potential PAPP operation is being scoped to the stage of a planned trial testing non-toxic bait to ensure palatability before proceeding to approval. When and how to develop a stopping rule for Chalky once stoat caught. Health and safety Number one Objective. IMT fatigue management, particularly Operations with high trip rotation/planning. ELERSE

DATE	30/3/2023	ESTIMATED COST	Div 1 Chalky - \$199,778
		TO DATE	

- One male stoat identified, last evidence 8 Dec.
- Also signs of presence on nearby Passage island.

Summary

- Ongoing stoat presence has been confirmed on Chalky Island (cameras, field sign, dog detection).
- DNA analysis of the stoat scats found on 'South' Passage were inconclusive. It is a male stoat, however, incomplete genome means it cannot be ruled out that the scats are from a different stoat to the one on Chalky Island.
- Stoat detection dog operating on Chalky and "South" Passage 28 March 12 April.
- Trap checks on Chalky and "South" Passage have caught no stoats.
- Cancellation of 15 March trip has delayed the trial of non-toxic bait to gauge acceptance by the stoat and non-target animals. This trial is a precursor to using PAPP toxin which is planned for July. Planning for Cacophony live capture trap has also been delayed.
- Other stoat lures and traps are continually being investigated.
- Chalky Operations Manager is due to finish in April. Replacements have yet to be finalized. The role/s must be based in Te Anau and be familiar with the islands so there is a limited pool of people available to undertake the role
- Progress on Incursion Response Update to SLT slowed as new IC & PIM started.
- New IC (Rebecca Steele), Specialist Resolution Planners (Flo Gaud, Samantha Marsh) and PIM (Bronwyn Jeynes) have joined the Team since last Status update.

Ngai Tahu

- Deidre Vercoe continues as iwi liaison.
- Iwi are supportive of operation to date and want to be kept informed of any significant developments via Deidre.
- Interest is very high for Te Kakahu-O-Tamatea / Chalky Island (kakapo, kiwi, lizards, titi, tieke)
- TRONT reps on the recovery groups for kakapo, kiwi and moha all supportive of work to date and informed

Comms/PIM

- Biosecurity Magazine interest
- Minister status report prepared.
- Public interest remains low.

Predicted Incident Development

Te Kākahu-O-Tamatea / Chalky Island – 1 male stoat currently identified Motutawaki / South Passage Island – 1 male stoat currently identified

Working towards PAPP operation in July 2023 on Chalky. If unsuccessful, trapping and other tactics will continue after that time. Intel gathering and trapping will continue on South Passage for the foreseeable future.

CURRENT RISK FACTORS

IMT Decision making and accountability Distributed team, and IMT members switching between BAU role and IMT role Teams making decisions outside IMT / IC (Incident Controller) accountability. **IMT Structure** Significant portion of IMT will be new in March/April. Effective handover and new staff shadowing existing IMT aims to reduce knowledge gap risks. Focus on CIMS disciplines and managing workload of local team. Additional resource requirements identified to overcome the workload management issues in Operations. Have moved from two-week IMT rotations to long-term postings. Moving to a minimum of a six-week staff commitment. National liaison team standing up to support response. Staff resourcing Ongoing challenge to source staff with the capability and capacity to support the operation. Planning & Operations positions particular concern in coming fortnight. Working with Liaison to sources these both within SSI and more widely (specialist Planning positions). Impact of events outside the Region on staff availability and trip planning (e.g., Cyclone Gabrielle) Potential to respond to new incursions limited Current staff numbers, equipment, dog detection resource could not respond effectively to a proven new incursion site. Advanced planning Revise scheduling and resourcing needs as and when circumstances change to ensure surveillance objectives can be met. TAG (Technical Advisory Group) advice incorporated into surveillance plan. Work on a potential PAPP operation is being scoped to the stage of a planned trial testing non-toxic bait to ensure palatability before proceeding to approval. When and how to develop a stopping rule for Chalky once stoat caught. Health and safety Number one Objective. IMT fatigue management, particularly Operations is being monitored. With a change to trip requirements or changes to IMT personnel are key triggers for this.

DATE	13/4/2023	ESTIMATED COST	Div 1 Chalky - \$211,043
		TO DATE	

- It is likely there are 2 male stoats, 1 on each island
- Also signs of presence on nearby Passage island.

Summary

- Ongoing stoat presence confirmed in March and April (cameras, field sign, April dog detection) on both Chalky and South Passage.
- The bad news DNA evidence of collected scats suggests (but does not guarantee) that there are 2 stoats. The good news they appear to both be male.
- Trial of stoat acceptance of non-toxic bait (plus non-target animal interest in bait) is now scheduled for 22 April to 24 May.
- Cacophony trap needs to be assessed for high-value non-target (kakapo) impacts before being deployed.

Planning General

- A new IAP (v 71) is being created to plan to the end of June.
- We have secured an Operations lead for Chalky. They will commence next week and the week after.
- We have sufficient Planning and Intel resource until the end of April. A new Planning/Intel lead is required for May and June.
- Field staff resourcing and scheduling for May-June is now urgent. The number required is currently being calculated via the IAP.

Ngai Tahu

- Iwi liaison swaps from Deidre Vercoe to John Lucas.
- Iwi are supportive of operation to date and want to be kept informed of any significant developments via Deidre.
- Interest is very high for Te Kakahu-O-Tamatea / Chalky Island (kakapo, kiwi, lizards, titi, tieke)
- TRONT reps on the recovery groups for kakapo, kiwi and moha all supportive of work to date and informed.

Comms/PIM

- Biosecurity Magazine interest
- Minister status report prepared.
- Public interest remains low.

Predicted Incident Development

- This is a marathon not a sprint.
- Trying new techniques. For example: non-toxic bait (rabbit meatballs) acceptance; combining visual lures (mirrors), sound lures (recordings) and scent lures (bedding, scat) to attract into traps.
- Ensuring all traps are in best condition to catch stoats if stoats make a mistake.

CURRENT RISK FACTORS IMT Decision making and accountability Distributed team, and IMT members switching between BAU role and IMT role. IMT Structure Very few IMT staff in place post 30 April. Need to retain or recruit into almost all Effective handover and new staff shadowing existing IMT aims to reduce knowledge gap risks. Focus on CIMS disciplines and managing workload of local team. Additional resource requirements identified to overcome the workload management issues in Operations. Have moved from two-week IMT rotations to long-term postings. Moved to a minimum of a six-week staff commitment, however still not long enough now two month minimum. National liaison team standing up to support response Staff resourcing Ongoing challenge to source staff with the capability and capacity to support the operation. Planning & Operations positions particular concern in coming fortnight. Working with Liaison to sources these both within SSI and more widely (specialist Planning positions). However, staff leave and change of staff in IMT have slowed this down. Impact of events outside the Region on staff availability and trip planning (e.g., Cyclone Gabrielle) Potential to respond to new incursions limited Current staff numbers, equipment, dog detection resource could not respond effectively to a proven new incursion site. Advanced planning Revise scheduling and resourcing needs as and when circumstances change to ensure surveillance objectives can be met. TAG (Technical Advisory Group) advice incorporated into surveillance plan. Work on a potential PAPP operation is being scoped to the stage of a planned trial testing non-toxic bait to ensure palatability before proceeding to approval. When and how to develop a stopping rule for Chalky once stoat caught. Health and safety Number one objective. IMT fatigue, particularly Operations leading rapid rotations of field staff. Reuse of field staff is helpful. New Operations leads need support from the more experienced IMT members to avoid mistakes of inexperience

DATE	24/4/2023	ESTIMATED COST	Div 1 Chalky - \$222,295
		TO DATE	

- 1 large male stoat trapped on Chalky.
- Possibility of another male stoat on nearby South Passage.

Summary

- 1 large male stoat discovered in a trap on Chalky 20th April.
- Further search effort is required to determine whether any other stoat exists on Chalky or the Passage Islands. Previous DNA evidence was equivocal – the stoat scats found on South Passage may represent another male stoat.
- The non-toxic bait trial is going ahead despite not being certain whether another stoat is
 present, because one of the objectives was to determine whether kakapo would eat the
 bait
- Further work to detect stoats on South Passage is delayed until the safety of a rope necessary to scale steep terrain and gain access is confirmed. Rope replacement is urgent.
- A stopping rule for Chalky/Passage Islands will be based on trapping and camera work not detecting anything, combined with 3 further stoat dog checks approximately 6 weeks apart not detecting anything.

Planning General

A new IAP (v 71) has been approved.

Ngai Tahu

- Iwi liaison now John Lucas.
- Iwi are supportive of operation to date and want to be kept informed of any significant developments via Deidre.
- Interest is very high for Te Kākahu O-Tamatea / Chalky Island (kakapo, kiwi, lizards, titi, tieke)
- TRONT reps on the recovery groups for kakapo, kiwi and moha all supportive of work to date and informed.

Comms/PIM

- Biosecurity Magazine interest
- Minister status report prepared.
- Public interest remains low.

Predicted Incident Development

- This is a marathon not a sprint.
- Have caught one stoat now need to ascertain whether there is another.
- Non-toxic bait trial is going ahead as knowledge of kakapo uptake of bait (or not) will inform future toxin options.
- A safe rope or chain to access South Passage is essential for incursion response to proceed
- If 3 stoat dog detection surveys approximately 6 weeks apart are conducted without detecting a stoat, then this incursion can be wound down.

CURRENT RISK FACTORS

IMT Decision making and accountability Distributed team, and IMT members switching between BAU role and IMT role. Operations leads need support from the more experienced IMT members to avoid mistakes of inexperience. IMT Structure Need to retain or recruit IMT roles for May and June. Effective handover and new staff shadowing existing IMT aims to reduce knowledge gap risks. Focus on CIMS disciplines and managing workload of local team. Additional resource requirements identified to overcome the workload management issues in Operations. Have moved from two-week IMT rotations to long-term postings. Moved to a minimum of a six-week staff commitment, however still not long enough now two month minimum. National liaison team standing up to support response. Staff resourcing Ongoing challenge to source staff with the capability and capacity to support the operation. Competing sources of advice There is a suggestion that the incursion response should be advised by ZIP. Unless ZIP personnel were part of the Incursion Response Technical Advisory Group this could result in competing streams of advice to the IC. Advanced planning Nothing recorded Health and safety Number one objective. IMT fatigue, particularly Operations South Passage work has been halted until there is a solution for the rope that has not been inspected. The resolution of the Chalky/Passage Islands incursion is limited until this is resolved.

DATE	20/7/2023	ESTIMATED COST	Div 1 Chalky - \$317,600
		TO DATE	

- 1 large male stoat has been caught on Chalky.
- Three detection dog checks since the stoat was caught have not detected a stoat on Chalky.
 One check has detected stoat scat on South Passage.
- Trap and dog checks to continue until South Passage cleared.

Summary

- 1 large male stoat discovered in a trap on Chalky 20th April.
- Stopping (wind down) rule for Chalky/Passage Islands is based on trapping and camera work not detecting anything, combined with 3 further stoat dog checks approximately 4-6 weeks apart not detecting anything.
- Chalky has had 3 clear dog checks, South Passage has had one scat detection.
- 4th and 5th dog checks scheduled for August and September.
- Chalky trapping effort can reduce to monthly, subject to TAG agreement.
- Chalky/Passage islands management unit BAU pest surveillance plan is underway.

Ngai Tahu

- Iwi liaison now John Lucas.
- Iwi are supportive of operation to date and want to be kept informed of any significant developments via Deidre.
- Interest is very high for Te Kākahu-O-Tamatea / Chalky Island (kakapo, kiwi, lizards, titi, tieke)
- TRONT reps on the recovery groups for kakapo, kiwi and moha all supportive of work to date and informed.

Comms/PIM

- Minister status report as required
- Public interest remains low.

Predicted Incident Development

- Have caught one stoat now need to ascertain whether there is another.
- If 3 stoat dog detection surveys approximately 4-6 weeks apart are conducted without detecting a stoat, then this incursion can be wound down.
- First of these did not detect a stoat.
- Need an improved surveillance plan for Chalky/Passage Islands management unit in order to wind down.

CURRENT RISK FACTORS

IMT Decision making and accountability



- Big changes in IMT last month with change in IC.
- Intel/Planning Leads Alicia and Claire are providing continuity.
- Current IMT is working well together.
- Current IMT is using CIMS at an appropriate scale.
- Current IMT are in medium term roles (at least 2 months). This is reducing inefficiencies, lost information and poor decision making.

A 1-week handover where incoming staff shadow outgoing staff is the minimum required to reduce knowledge gap risks. To ensure IMT works most effectively roles and responsibilities have been clarified. A Fiordland Islands biosecurity plan – full operational planning for animal pest management for the top 10 island mgmt. units as defined by S Horn, in order of priority. Chalky surveillance plan contribute to these. Again NET and IB teams can provide technical expertise but won't facilitate or hold the pen. Health and safety This is always the top objective. Wellbeing dip in the team due to lack of people resources and frustrations around delays with our systems and processes. 2ELEASED UNDER THE OFFICIAL SED UNDER THE OFF