

From: [Redacted – Personal Details] <[Redacted – Personal Details]@marlab.ac.uk>
Sent: 11 December 2019 17:09
To: [Redacted – Personal Details] <[Redacted – Personal Details]@marlab.ac.uk>
Cc: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>
Subject: West cost particle tracking

Hi [Redacted – Personal Details],

I am on leave from tomorrow but wanted to send you the progress I have made on the particle tracking. I have run a passive run and a N directed run at 2 bl per second. NW is currently running.

I have attached heatmaps of the output for all the origins you specified (slightly adjusted to make sure they were not too close to the shore).

I hope they are useful.

Thanks

[Redacted – Personal Details]

From: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>
Sent: 11 December 2019 19:37
To: [Redacted – Personal Details]@marlab.ac.uk; [Redacted – Personal Details]@marlab.ac.uk
Subject: RE: West cost particle tracking

Thanks [Redacted – Personal Details]
V helpful indeed.

[Redacted – Personal Details]
From: [Redacted – Personal Details] <[Redacted – Personal Details]@marlab.ac.uk>
Sent: 11 December 2019 17:09
To: [Redacted – Personal Details] <[Redacted – Personal Details]@marlab.ac.uk>
Cc: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>
Subject: West cost particle tracking

Hi [Redacted – Personal Details],

I am on leave from tomorrow but wanted to send you the progress I have made on the particle tracking. I have run a passive run and a N directed run at 2 bl per second. NW is currently running.

I have attached heatmaps of the output for all the origins you specified (slightly adjusted to make sure they were not too close to the shore).

I hope they are useful.

Thanks
[Redacted – Personal Details]

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From: [Redacted – Personal Details] <[Redacted – Personal Details]@marlab.ac.uk>
Sent: 12 December 2019 09:21
To: [Redacted – Personal Details] <[Redacted – Personal Details]@marlab.ac.uk>
Subject: RE: West cost particle tracking

Thanks [Redacted – Personal Details]

Enjoy the holidays.

[Redacted – Personal Details]
From: [Redacted – Personal Details]
Sent: 11 December 2019 17:09
To: [Redacted – Personal Details] <[Redacted – Personal Details]@marlab.ac.uk>
Cc: [Redacted – Personal Details]@gov.scot
Subject: West cost particle tracking

Hi [Redacted – Personal Details],

I am on leave from tomorrow but wanted to send you the progress I have made on the particle tracking. I have run a passive run and a N directed run at 2 bl per second. NW is currently running.

I have attached heatmaps of the output for all the origins you specified (slightly adjusted to make sure they were not too close to the shore).

I hope they are useful.

Thanks
[Redacted – Personal Details]

From: [Redacted – Personal Details] <[Redacted – Personal Details]@marlab.ac.uk>

Sent: 03 December 2019 15:51

To: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>

Subject: West coast tracking repository

Hi [Redacted – Personal Details]

I have added a repository to the marlab machine, which contains most of the code required to get the model running and also has the user guide.tex file.

You can clone the repository in to your home directory with the following.

[Redacted – Internal Information]

I will have my own version which I can make changes too independently. I'll leave the output on my machine for now, but I can always send you a copy of anything if needed.

Let me know if you have any difficulty cloning this or getting things set up.

You will need to provide a list of climatology files, but don't commit this to the repo as this is different for me on my machine.

Cheers

[Redacted – Personal Details]

From: [Redacted – Personal Details]< [Redacted – Personal Details]@marlab.ac.uk>

Sent: 11 November 2019 15:09

To: [Redacted – Personal Details]< [Redacted – Personal Details]@marlab.ac.uk>

Subject: Lat Ions for particle tracking

Hi [Redacted – Personal Details],

I wondered if you have had time to work up a list of lat ions that you would like me to use as the basis of particle tracking for smolts in The Minch.

Just to let you know that it will be more difficult for me to find time to work on these as of January as I will be taking on extra responsibilities whilst [Redacted – Personal Details] is on [Redacted – Personal Details] leave, so the sooner I can get these up and running the better.

I have down that we want to run the following scenarios

- 1 Passive at 2 bls-1
- 2 Northerly at 2 bls-1 (magnetic north and true north)
- 3 NW at 2 bls-1
- 4 W at 2 bls-1
- 5 Current following at 2bls-1?

Thanks

[Redacted – Personal Details]

From: [Redacted – Personal Details] <[Redacted – Personal Details]@marlab.ac.uk>
Sent: 22 November 2019 16:40
To: [Redacted – Personal Details] <[Redacted – Personal Details]@marlab.ac.uk>
Subject: RE: Lat lons for particle tracking

Hi James

I've yet to hear back from the AST regarding rivers they think are taggable or what they want to tag.

So.. heres some I suggest in the meantime.

[Redacted – seven sets of co-ordinates, Internal Communications]

thanks

[Redacted – Personal Details]

From: [Redacted – Personal Details]
Sent: Monday, November 11, 2019 3:09 PM
To: [Redacted – Personal Details]
Subject: Lat lons for particle tracking

Hi [Redacted – Personal Details],

I wondered if you have had time to work up a list of lat lons that you would like me to use as the basis of particle tracking for smolts in The Minch.

Just to let you know that it will be more difficult for me to find time to work on these as of January as I will be taking on extra responsibilities whilst [Redacted – Personal Details] is on [Redacted – Personal Details] leave, so the sooner I can get these up and running the better.

I have down that we want to run the following scenarios

- 1 Passive at 2 bls-1
- 2 Northerly at 2 bls-1 (magnetic north and true north)
- 3 NW at 2 bls-1
- 4 W at 2 bls-1
- 5 Current following at 2bls-1?

Thanks

[Redacted – Personal Details]

From: [Redacted – Personal Details] <[Redacted – Personal Details]@marlab.ac.uk>
Sent: 22 November 2019 17:16
To: [Redacted – Personal Details] <[Redacted – Personal Details]@marlab.ac.uk>
Subject: RE: Lat lons for particle tracking

Thanks [Redacted – Personal Details],

I'll get on to this next week.

Have a good weekend.

From: [Redacted – Personal Details]
Sent: 22 November 2019 16:39
To: [Redacted – Personal Details]
Subject: RE: Lat lons for particle tracking

Hi [Redacted – Personal Details]

I've yet to hear back from the AST regarding rivers they think are taggable or what they want to tag.

So.. heres some I suggest in the meantime.

[Redacted – Seven sets of co-ordinates – internal communications]

thanks

[Redacted – Personal Details]

From: [Redacted – Personal Details]
Sent: Monday, November 11, 2019 3:09 PM
To: [Redacted – Personal Details]
Subject: Lat lons for particle tracking

Hi [Redacted – Personal Details],

I wondered if you have had time to work up a list of lat lons that you would like me to use as the basis of particle tracking for smolts in The Minch.

Just to let you know that it will be more difficult for me to find time to work on these as of January as I will be taking on extra responsibilities whilst [Redacted – Personal Details] is on [Redacted – Personal Details] leave, so the sooner I can get these up and running the better.

I have down that we want to run the following scenarios

- 1 Passive at 2 bls-1
- 2 Northerly at 2 bls-1 (magnetic north and true north)
- 3 NW at 2 bls-1
- 4 W at 2 bls-1
- 5 Current following at 2bls-1?

Thanks

[Redacted – Personal Details]

From: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>
Sent: 05 December 2019 15:51
To: 'Mark Bilsby' <mark@atlanticsalmontrust.org>
Subject: West coast smolt tracking project

Hi Mark,

As discussed we're content with your suggestion & the MFF monies are available this financial year, we'll just monitor the project summer 2021 so we can see the benefits realised. I can confirm the project has been approved & you can go ahead, I'll get the award letter out as soon as I can.

Thanks,

[Redacted – Personal Details]

*****Please note new address******

Grants Team
Marine Scotland
Spur X1 Rm 11
Saughton house
Edinburgh
EH11 3XD
0131 244 [Redacted – Personal Details]

From: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>

Sent: 18 November 2019 16:44

To: 'Mark Bilby' <mark@atlanticsalmontrust.org>

Subject: RE: West Coast Tracking Project

Hi Mark,

Nearly there, I think I've got a handle on all the costs except how the Co-ordinator, technicians & post-doc –

Co-ordinator £[Redacted – Commercially Sensitive]

Technicians £[Redacted – Commercially Sensitive]

Post-doc £[Redacted – Commercially Sensitive]

Can you let me know how the £[Redacted – Commercially Sensitive] is made up?

Also my total of £[Redacted – Commercially Sensitive]

Acoustic Receivers		[Redacted – Commercially Sensitive]	okay
Acoustic Tags		[Redacted – Commercially Sensitive]	okay
Boat Deployment		[Redacted – Commercially Sensitive]	okay
Rotary Screw Traps	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]	okay
Staffing		[Redacted – Commercially Sensitive]	
Travel & Subsistence	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive] plus £[Redacted – Commercially Sensitive] for tagging teams
Tagging Cost		[Redacted – Commercially Sensitive]	okay
staff		[Redacted – Commercially Sensitive]	okay
overhead		[Redacted – Commercially Sensitive]	okay

Thanks,

[Redacted – Personal Details]

From: Mark Bilby <mark@atlanticsalmontrust.org>

Sent: 14 November 2019 10:00

To: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>

Subject: RE: West Coast Tracking Project

Dear [Redacted – Personal Details],

Many thanks for your email and please find the necessary information.

1. Rotary Screw Traps

Please find attached the estimate received from Mills Construction that details the cost of the rotary screw traps. I have also attached a quote from the only other company that we have been able to find that can source this equipment.

The total cost is estimated at Ca\$ [Redacted – Commercially Sensitive], exclusive of VAT. At an exchange rate of 0.60 Canadian dollars to the Pound this equates to a cost of £ [Redacted – Commercially Sensitive], exclusive of VAT, or with VAT it equals £ [Redacted – Commercially Sensitive] for the six rotary screw traps.

Please note that as the tags, receivers and rotary screw traps are bought in Canadian dollars they are subject to exchange rate fluctuations. As such an allowance of £ [Redacted – Commercially Sensitive] has been included to cover any exchange rate fluctuations between the time of application and the time of paying for this equipment in February 2020.

2. Staffing Costs

The staffing is based upon a combination of Atlantic Salmon Trust employees, associated with the project, and one post with the University of Glasgow.

AST Employees

Tracking Co-ordinator - Salary £ [Redacted – Commercially Sensitive], which with employment costs equates to £ [Redacted – Commercially Sensitive]. Fifty percent of this post will be associated with the West Coast Tracking Project.

Three full time equivalent technicians with a salary of £ [Redacted – Commercially Sensitive], which with employment costs equates to £ [Redacted – Commercially Sensitive]. Fifty percent of these posts will be associated with the West Coast Tracking Project.

University of Glasgow

One post-doctoral position will be employed with the University of Glasgow. The pay scale and associated costs from Professor Colin Adams details the costs associated with this post, which will be full-time with the project. . A spreadsheet from Professor Adams is attached.

3. Description of the Travel & Subsistence

These have been detailed in the table below:

Travel & Subsistence			
	Unit Rate	Number	Cost
Deployment			
Mooring & Receiver	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]
Mileage	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]
Ferry	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]

Tagging & Trapping Phase			
Accommodation	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]
Subsistence	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]
Mileage	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]
Ferry	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]
Recovery			
Mooring & Receiver	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]
Mileage	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]
Ferry	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]
Liaison			
Accommodation	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]
Subsistence	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]
Ferry	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]
Trapping			
Trust Mileage	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]	[Redacted – Commercially Sensitive]
Total			[Redacted – Commercially Sensitive]

Please note that the unit cost of £[Redacted – Commercially Sensitive] is the cost of hiring a flatbed truck to transport receivers and moorings from the University of Glasgow to the rendezvous point with the deployment and recovery vessels.

Evidence of Tagging Cost

The tagging cost is based upon an additional [Redacted – Commercially Sensitive] days for both the Argyll Fisheries Trust and Lochaber Fisheries Trust training for tagging at £[Redacted – Commercially Sensitive] per day for a three man tagging team. This equates to £[Redacted – Commercially Sensitive]. An additional sum of £[Redacted – Commercially Sensitive] for each of these two areas has been set aside to cover travel and subsistence costs (not included in main travel and subsistence budget) to permit attendance at training events.

Overhead Costs

Following our telephone discussion this morning I have separated out the £[Redacted – Commercially Sensitive] of management costs for the project, prior to March 31st 2020. These are detailed as follows:

Mark Bilsby, CEO AST [Redacted – Commercially Sensitive] days at £[Redacted – Commercially Sensitive] per day
 Alan Wells, CEO FMS [Redacted – Commercially Sensitive] days at £[Redacted – Commercially Sensitive] per day
 Pamela Lowry, Office Manager AST [Redacted – Commercially Sensitive] days at £[Redacted – Commercially Sensitive] per day

This brings the staffing budget, to March 31st 2020, to £[Redacted – Commercially Sensitive] and brings the residual overhead to £[Redacted – Commercially Sensitive]. As such the total claim for the project will be £[Redacted – Commercially Sensitive].

I hope that this answers your queries but please do not hesitate to contact me.

Kind regards

Mark

From: [Redacted – Personal Details]@gov.scot [mailto:[Redacted – Personal Details]@gov.scot]
Sent: 07 November 2019 14:06
To: Mark Bilsby <mark@atlanticsalmontrust.org>
Subject: RE: West Coast Tracking Project

Hi Mark,

I've amended the application to the [Redacted – Commercially Sensitive] spend & we'll award those at [Redacted – Commercially Sensitive]% grant, the future costs can then be funded from the [Redacted – Commercially Sensitive]

I'm still a bit unclear about some of the costs in the application & evidencing these. The 1st 3 below are fine & I can see where the figures come from in the documentation you sent.

Acoustic Receivers		[Redacted – Commercially Sensitive]	okay
Acoustic Tags		[Redacted – Commercially Sensitive]	okay
Boat Deployment		[Redacted – Commercially Sensitive]	okay
Rotary Screw Traps		[Redacted – Commercially Sensitive]	
Staffing		[Redacted – Commercially Sensitive]	Is this the FMS £[Redacted – Commercially Sensitive]/day?
Travel & Subsistence		[Redacted – Commercially Sensitive]	Mileage is only £[Redacted – Commercially Sensitive]?
Tagging Cost		[Redacted – Commercially Sensitive]	
Overhead		[Redacted – Commercially Sensitive]	

So I think I need –

Something to evidence the cost of the rotary screw taps

Description of how the staffing cost is calculated & potentially evidence

Description of the T&S (presumably there's some overnight accommodation allowance in the total?)

Evidence of the tagging cost

We are restricted to [Redacted – Commercially Sensitive]% of staff costs are an un-evidenced overhead payment, all other costs have to be evidenced. So £[Redacted – Commercially Sensitive] would be the 'overhead' based on £[Redacted – Commercially Sensitive] staff cost, anything else, IT purchases, etc. has to be evidenced i.e. quotes/price list/screenshots.

Meanwhile we'll process the application as far as we can.

Thanks,

[Redacted – Personal Details]

From: Mark Bilby <mark@atlanticsalmontrust.org>

Sent: 01 November 2019 09:45

To: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>

Subject: West Coast Tracking Project

Dear [Redacted – Personal Details],

Following our telephone conversation please find attached details of the information that we have used to help with the costings of the West Coast Tracking Project. Due to the truncated planning period for this project we have had to use the costs of the Moray Firth Tracking Project as the basis for the application. This is a project similar in nature to the West Coast Tracking project and was delivered in 2019.

If you require any further information then please do not hesitate to contact me.

Kind regards

Mark



Mark Bilby

Chief Executive Officer

Atlantic Salmon Trust

Battleby House

Redgorton

PERTH

PH1 3EW



INTERNATIONAL
YEAR OF SALMON

07810 880 409

01738 827 200

www.atlanticsalmontrust.org

Putting #WildSalmonFirst

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From: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>
Sent: 04 November 2019 16:20
To: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>
Subject: RE: AST Smolt Tracking

[Redacted – Personal Details]

There should be two – an east coast and a west coast .

[Redacted – Personal Details]

[Redacted – Personal Details]
[Redacted – Personal Details]
Scottish Government
Marine Laboratory
P O Box 101
375 Victoria Road
Aberdeen
AB11 9DB
Tel: +44 (0)131 244 [Redacted – Personal Details]
S/B: +44 (0)131 244 2500
e: email : [Redacted – Personal Details]@gov.scot
w: <http://www.gov.scot/marinescotland>

From: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>
Sent: 04 November 2019 15:58
To: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>
Subject: RE: AST Smolt Tracking

Ian,
Not as yet, but I presume this will come in with all other requests from the programme....??
Regards,
Iain

From: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>
Sent: 01 November 2019 19:33
To: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>
Subject: FW: AST Smolt Tracking

[Redacted – Personal Details]

Have you received any ship time requests for this work?

[Redacted – Personal Details]

[Redacted – Personal Details]
[Redacted – Personal Details]
Scottish Government

Marine Laboratory
P O Box 101
375 Victoria Road
Aberdeen
AB11 9DB
Tel: +44 (0)131 244 [Redacted – Personal Details]
S/B: +44 (0)131 244 2500
e: email : [Redacted – Personal Details]@gov.scot
w: <http://www.gov.scot/marinescotland>

[Redacted – Email out of scope]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

From: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>
Sent: 04 November 2019 16:22
To: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>
Subject: Ships

[Redacted – Personal Details]

Are REP planning to offer to support the AST in laying east coast moorings again this coming year?

I presume that they are not doing the same for the west coast.

[Redacted – Personal Details]

[Redacted – Personal Details]
[Redacted – Personal Details]
Scottish Government
Marine Laboratory
P O Box 101
375 Victoria Road
Aberdeen
AB11 9DB
Tel: +44 (0)131 244 [Redacted – Personal Details]
S/B: +44 (0)131 244 2500
e: email : [Redacted – Personal Details]@gov.scot
w: <http://www.gov.scot/marinescotland>

From: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>
Sent: 07 November 2019 10:22
To: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>
Subject: RE: vessel time

[Redacted – Personal Details]

No, far from it. I know you have been busy and expect to be busy.

I know that Tim has committed to assisting with the west coast project. I sent an email to FL encouraging them to take the lead in requesting ship time and providing support for the west coast. I have seen no indication that FL have picked it up though.

[Redacted – Personal Details]

[Redacted – Personal Details]
[Redacted – Personal Details]
Scottish Government
Marine Laboratory
P O Box 101
375 Victoria Road
Aberdeen
AB11 9DB
Tel: +44 (0)131 244 [Redacted – Personal Details]
S/B: +44 (0)131 244 2500
e: email : [Redacted – Personal Details]@gov.scot
w: <http://www.gov.scot/marinescotland>

From: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>
Sent: 07 November 2019 10:12
To: [Redacted – Personal Details] <[Redacted – Personal Details]@gov.scot>
Subject: vessel time

Hi [Redacted – Personal Details],
Has there been a suggestion that REP may be able to assist in the AST west coast smolt tracking work? You seemed to infer that this may have been the case in an email last week.

Thanks,

[Redacted – Personal Details]

[Redacted – Personal Details]
[Redacted – Personal Details]