

Action Date	Activity	Description	Added On	Added By
January 27, 2003	Correspondence - Do not go to Macro Access Screen	FCR REQUEST REC'D, ENTERED AND FORWARDED TO AHC VIA ORIGINAL EMAIL. DFO RESPONSE DUE FEB. 28/03, THE LATEST.	January 27, 2003	Dube, Joy
February 4, 2003	Correspondence - Do not go to Macro Access Screen	COPY OF NWPA R.O.D. - LIKELY TO REQUIRE AN EA.	February 4, 2003	Dube, Joy
March 13, 2003	Correspondence - Do not go to Macro Access Screen	FROM PWGSC - REQUEST FOR COMMENTS RE: BENTHIC VIDEO SURVEY.	March 13, 2003	Dube, Joy
December 1, 2003	Note to File	SPOKE WITH ROSALIA GALANTE, PWGSC, TO DISCUSS THE TIVERTON FILE. I TOLD HER THAT I WAS REVIEWING THE FILE AND DEVELOPING A LIST OF DEFICIENCIES. I WOULD TRY TO FORWARD THIS LIST OF QUESTIONS/DEFICIENCIES BY WEDNESDAY AFTERNOON.	December 8, 2003	Rose, Tammy
December 8, 2003	Correspondence - Do not go to Macro Access Screen	<p>EMAIL TO ROD BRADFORD REQUESTING SOME INFORMATION REGARDING PAST CORRESPONDENCE:</p> <p>GOOD AFTERNOON ROD,</p> <p>MY NAME IS TAMMY ROSE AND I AM A HABITAT ASSESSMENT BIOLOGIST WITH HABITAT MANAGEMENT DIVISION. RECENTLY I TOOK OVER A SMALL CRAFT HARBOURS FILE FOR HARBOUR DEVELOPMENT IN THE TIVERTON AREA. PREVIOUSLY, THIS FILE WAS BEING REVIEWED BY ANDREW STEWART. AS PART OF HIS REVIEW, ANDREW HAD CONTACTED LARRY MARSHALL TO INQUIRE ABOUT FISH SPECIES THAT INHABIT THE TIVERTON, PETIT PASSAGE AREA AND/OR THEIR PROXIMITY TO THE ACTUAL SITE. THE EMAIL THAT CAME BACK TO ANDREW STATED THAT FEW IF ANY DIADROMOUS FISH SPECIES WOULD BE RESIDENT OF THIS AREA DURING THE MONTHS IN QUESTION. ALSO, IT WAS INDICATED THAT APPROPRIATE MONITORING FOR FISH PRESENCE DURING THE PERIOD OF ACTIVITY MIGHT BE PRUDENT.</p> <p>THIS PROJECT IS PLANNED TO TAKE PLACE OVER THE NEXT 5 YEARS. PHASE ONE WILL INCLUDE CONSTRUCTION OF A 220 METER BREAKWATER, PHASE TWO WILL INCLUDE THE CONSTRUCTION OF FLOATING DOCKS, AND PHASE 3 WILL INCLUDE DREDGING WHEREBY BLASTING MAY BE REQUIRED. THESE ACTIVITIES WILL DISTURB APPROXIMATELY 21, 000 SQUARE METERS OF FISH HABITAT IN THE IMMEDIATE FOOT PRINT. THIS DOES NOT INCLUDE HABITAT IMPACTED OUTSIDE THE CONSTRUCTION AREA. I AM CONCERNED WITH FISH SPECIES THAT MAY OCCUPY THIS AREA AT ALL TIMES DURING THE YEAR. I WANTED TO GET SOME CLARIFICATION FROM YOU REGARDING YOUR RESPONSE TO ANDREW STEWART:</p> <p>I WAS WONDERING IF YOU HAD A CHANCE TO REVIEW THE DOCUMENT ENTITLED ENVIRONMENTAL SCREENING HARBOUR DEVELOPMENT (BREAKWATER, FLOATING DOCK, DREDGING AND SERVICE AREA) TIVERTON, DIG BY COUNTY, NOVA SCOTIA (SEPTEMBER 2003); TO FULLY UNDERSTAND THE CONSTRUCTION ACTIVITIES THAT WILL TAKE PLACE? CONSIDERING THE 5 YEAR PLAN ASSOCIATED WITH THIS PROJECT DO YOU HAVE ANY CONCERNS WITH MIGRATORY FISH SPECIES IN THIS AREA? (I.E. ALEWIFE MIGRATION INTERFERENCE)</p> <p>COULD YOU SUGGEST HOW THE PROPONENT MAY POTENTIALLY SET UP MONITORING FOR FISH PASSAGE AT THE PROPOSED SITE?</p>	December 8, 2003	Rose, Tammy

		<p>IF YOU HAVE NOT HAD AN OPPORTUNITY TO REVIEW THE ABOVE MENTIONED DOCUMENT, PLEASE LET ME KNOW AND I WILL SUPPLY YOU WITH THE ENVIRONMENTAL SCREENING DEVELOPED BY PWGSC FOR SCH. I WOULD REALLY LIKE TO DISCUSS THIS FURTHER WITH YOU. IF YOU HAVE TIME AVAILABLE TO DISCUSS THIS IN PERSON, PLEASE LET ME KNOW AND MAYBE WE COULD SET UP A MEETING TO DISCUSS EVERYTHING. YOU MAY PASS THIS EMAIL ALONG ANYBODY ELSE WHO MAY HAVE VALUABLE INPUT INTO THE SUBJECT AT HAND. I APOLOGIZE FOR THE LONG EMAIL!!</p> <p>THANKS AND HAVE A GREAT DAY!!</p> <p>TAMMY</p> <p>TAMMY ROSE HABITAT ASSESSMENT BIOLOGIST HABITAT MANAGEMENT DIVISION, FISHERIES AND OCEANS CANADA BEDFORD INSTITUTE OF OCEANOGRAPHY, DARTMOUTH PHONE: (902) 426-0379 FAX: (902) 426-1489 EMAIL: <a href="mailto:ROSET@MAR.DFO-MPO.GC.CA">ROSET@MAR.DFO-MPO.GC.CA</a></p>		
December 8, 2003	Correspondence - Do not go to Macro Access Screen	<p>RESPONSE TO ACTION ID NO. 15</p> <p>HELLO TAMMY, OUR RESPONSE TO ANDREW'S EARLIER QUERY TO US IS A REFLECTION OF HOW LITTLE INFORMATION WE HAVE ON DIADROMOUS SPECIES PRESENCE/ABSENCE IN THIS AREA, I.E., WE DON'T KNOW FOR CERTAIN BUT BASED ON GENERAL INFORMATION ON SEASONAL FISH MOVEMENTS THERE IS NO REASON TO SUSPECT SUBSTANTIVE NEGATIVE EFFECTS. OUR RECOMMENDATION FOR SOME FORM OF MONITORING DURING THE CONSTRUCTION PHASE REFLECTED THIS UNCERTAINTY AND A DESIRE TO BE PRUDENT. HAVING SAID THAT: - NO, I HAVE NOT READ THE ENVIRONMENTAL SCREENING HARBOUR DEVELOPMENT REPORT, I DO NOT HAVE A COPY, I COULD LOOK THROUGH THE REPORT IF YOU CAN FORWARD ONE TO ME. - IF I KNEW THIS WAS A FIVE YEAR PROJECT I HAVE SINCE FORGOTTEN THIS PIECE OF INFORMATION. I THINK THOUGH THAT THE ONLY ISSUE THAT MIGHT CHANGE OUR RESPONSE WOULD BE IF THE WORK PLANNED OVER THE FIVE YEARS WERE TO OCCUR DURING SEASONS NOT IDENTIFIED IN THE INITIAL QUERY FROM FISH HABITAT TO US,</p> <p>IT MIGHT BE BEST IF WE MET ON THIS, PERHAPS TOMORROW MORNING OR SOMETIME WEDNESDAY. WE CAN DISCUSS ELEMENTS OF A MONITORING PROGRAM THEN? REGARDS ROD</p> <p>ROD BRADFORD, PH.D. DIADROMOUS ASSESSMENT/SPECIES AT RISK BIOLOGIST DIADROMOUS FISH DIVISION, SCIENCE BRANCH, DEPARTMENT OF FISHERIES AND OCEANS, P.O. BOX 1006, DARTMOUTH, N.S. CANADA B2Y 4A2</p> <p>TELEPHONE: 902-426-4555 FAX: 902-426-6814</p>	December 9, 2003	Rose, Tammy

EMAIL: BRADFORDR@MAR.DFO-MPO.GC.CA

-----ORIGINAL MESSAGE-----

FROM: ROSE, TAMMY LEE ANNE  
SENT: MONDAY, DECEMBER 08, 2003 3:47 PM  
TO: BRADFORD, ROD  
SUBJECT: RE: TIVERTON, NS AND SMALL CRAFT HARBOURS

GOOD AFTERNOON ROD,

MY NAME IS TAMMY ROSE AND I AM A HABITAT ASSESSMENT BIOLOGIST WITH HABITAT MANAGEMENT DIVISION. RECENTLY I TOOK OVER A SMALL CRAFT HARBOURS FILE FOR HARBOUR DEVELOPMENT IN THE TIVERTON AREA. PREVIOUSLY, THIS FILE WAS BEING REVIEWED BY ANDREW STEWART. AS PART OF HIS REVIEW, ANDREW HAD CONTACTED LARRY MARSHALL TO INQUIRE ABOUT FISH SPECIES THAT INHABIT THE TIVERTON, PETIT PASSAGE AREA AND/OR THEIR PROXIMITY TO THE ACTUAL SITE. THE EMAIL THAT CAME BACK TO ANDREW STATED THAT FEW IF ANY DIADROMOUS FISH SPECIES WOULD BE RESIDENT OF THIS AREA DURING THE MONTHS IN QUESTION. ALSO, IT WAS INDICATED THAT APPROPRIATE MONITORING FOR FISH PRESENCE DURING THE PERIOD OF ACTIVITY MIGHT BE PRUDENT.

THIS PROJECT IS PLANNED TO TAKE PLACE OVER THE NEXT 5 YEARS. PHASE ONE WILL INCLUDE CONSTRUCTION OF A 220 METER BREAKWATER, PHASE TWO WILL INCLUDE THE CONSTRUCTION OF FLOATING DOCKS, AND PHASE 3 WILL INCLUDE DREDGING WHEREBY BLASTING MAY BE REQUIRED. THESE ACTIVITIES WILL DISTURB APPROXIMATELY 21, 000 SQUARE METERS OF FISH HABITAT IN THE IMMEDIATE FOOT PRINT. THIS DOES NOT INCLUDE HABITAT IMPACTED OUTSIDE THE CONSTRUCTION AREA. I AM CONCERNED WITH FISH SPECIES THAT MAY OCCUPY THIS AREA AT ALL TIMES DURING THE YEAR. I WANTED TO GET SOME CLARIFICATION FROM YOU REGARDING YOUR RESPONSE TO ANDREW STEWART:

I WAS WONDERING IF YOU HAD A CHANCE TO REVIEW THE DOCUMENT ENTITLED ENVIRONMENTAL SCREENING HARBOUR DEVELOPMENT (BREAKWATER, FLOATING DOCK, DREDGING AND SERVICE AREA) TIVERTON, DIG BY COUNTY, NOVA SCOTIA (SEPTEMBER 2003); TO FULLY UNDERSTAND THE CONSTRUCTION ACTIVITIES THAT WILL TAKE PLACE? CONSIDERING THE 5 YEAR PLAN ASSOCIATED WITH THIS PROJECT DO YOU HAVE ANY CONCERNS WITH MIGRATORY FISH SPECIES IN THIS AREA? (I.E. ALEWIFE MIGRATION INTERFERENCE)  
COULD YOU SUGGEST HOW THE PROPONENT MAY POTENTIALLY SET UP MONITORING FOR FISH PASSAGE AT THE PROPOSED SITE?

IF YOU HAVE NOT HAD AN OPPORTUNITY TO REVIEW THE ABOVE MENTIONED DOCUMENT, PLEASE LET ME KNOW AND I WILL SUPPLY YOU WITH THE ENVIRONMENTAL SCREENING DEVELOPED BY PWGSC FOR SCH. I WOULD REALLY LIKE TO DISCUSS THIS FURTHER WITH YOU. IF YOU HAVE TIME AVAILABLE TO DISCUSS THIS IN PERSON, PLEASE LET ME KNOW AND MAYBE WE COULD SET UP A MEETING TO DISCUSS EVERYTHING. YOU MAY PASS THIS EMAIL ALONG ANYBODY ELSE WHO MAY HAVE VALUABLE INPUT INTO THE SUBJECT AT HAND. I APOLOGIZE FOR THE LONG EMAIL!!

THANKS AND HAVE A GREAT DAY!!

TAMMY

TAMMY ROSE  
HABITAT ASSESSMENT BIOLOGIST  
HABITAT MANAGEMENT DIVISION, FISHERIES AND OCEANS CANADA

		BEDFORD INSTITUTE OF OCEANOGRAPHY, DARTMOUTH PHONE: (902) 426-0379 FAX: (902) 426-1489 EMAIL: <a href="mailto:ROSET@MAR.DFO-MPO.GC.CA">ROSET@MAR.DFO-MPO.GC.CA</a>		
December 8, 2003	Telephone Conversation	LEFT A MESSAGE WITH ROSALIA CONCERNING QUESTIONS I HAVE CONCERNING THE ENVIRONMENTAL SCREENING FOR TIVERTON. I TOLD HER THAT I WANTED TO SET UP A MEETING REGARDING SOME INFORMATION DEFICIENCIES. STILL AWAITING HER RETURNED CALL.	December 9, 2003	Rose, Tammy

<p>December 10, 2003</p>	<p>Correspondence - Do not go to Macro Access Screen</p>	<p>SENT AN EMAIL TO ROSALIA GALANTE REGARDING QUESTIONS I HAVE CONCERNING TIVERTON:</p> <p>HI ROSALIA,</p> <p>I HAD AN OPPORTUNITY TO REVIEW THE SCREENING REPORT FOR THE ABOVE MENTIONED FILE. I HAVE DEVELOPED A LIST OF QUESTIONS THAT REQUIRE CLARIFICATION OR HAVE NOT BEEN ADDRESSED IN THE SCREENING REPORT. I AM FORWARDING THIS PROPOSAL ON TO SCIENCE FOR THEIR REVIEW AS WELL SO MORE QUESTIONS OR CONCERNS MAY ARISE. IN ADDITION, I WOULD LIKE TO SET UP A VERY INFORMAL MEETING BETWEEN YOURSELF, PHIL ZAMORA, TED POTTER, AND I AS AN OPPORTUNITY FOR YOU TO EXPLAIN THE COMPENSATION WORK THAT HAS BEEN PROPOSED.</p> <p>I FEEL A TELEPHONE CONVERSATION IS REQUIRED TO DISCUSS THIS FURTHER. I WILL TRY TO GET IN CONTACT WITH YOU AGAIN THIS AFTERNOON. IN THE MEANTIME THE FOLLOWING ATTACHMENT IS THE LIST OF QUESTIONS CONCERNING THE SCREENING REPORT FOR TIVERTON. IF YOU HAVE ANY QUESTIONS, PLEASE FEEL FREE TO CONTACT ME.</p> <p>THANKS AND HAVE A GREAT DAY!!</p> <p>TAMMY</p> <p>TAMMY ROSE HABITAT ASSESSMENT BIOLOGIST HABITAT MANAGEMENT DIVISION, FISHERIES AND OCEANS CANADA BEDFORD INSTITUTE OF OCEANOGRAPHY, DARTMOUTH PHONE: (902) 426-0379 FAX: (902) 426-1489 EMAIL: ROSET@MAR.DFO-MPO.GC.CA</p> <p>A COPY OF THIS EMAIL AND THE QUESTIONS HAVE BEEN PLACED ON THE FILE.</p>	<p>December 10, 2003</p>	<p>Rose, Tammy</p>
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<p>December 10, 2003</p>	<p>Correspondence - Do not go to Macro Access Screen</p>	<p>GAVE ROD BRADFORD A COPY OF THE ENVIRONMENTAL SCREENING REPORT FOR TIVERTON:</p> <p>HI ROD,</p> <p>I WENT DOWNSTAIRS TO VISIT YOU THIS AFTERNOON BUT UNFORTUNATELY YOU WERE GONE. SO I THOUGHT I WOULD SEND YOU AN EMAIL CONCERNING THE DOCUMENT I LEFT YOU. I PLACED A COPY OF THE ENVIRONMENTAL SCREENING FOR HARBOUR DEVELOPMENT (BREAKWATER, FLOATING DOCKS, DREDGING AND SERVICE AREA) AT TIVERTON, DIGBY COUNTY, NOVA SCOTIA ON YOUR SEAT. AS PER OUR EMAILS, I WAS WONDERING IF YOU WOULD REVIEW THIS SCREENING REPORT AND GIVE ME SOME FEEDBACK PERTAINING TO THE EFFECTS THE PROJECT MAY HAVE ON DIADROMOUS FISH SPECIES INHABITING OR MIGRATING THROUGH THE AREA. I THINK WE SHOULD STILL MEET ON THIS FILE AND MAYBE I COULD BE MORE SPECIFIC ON INFORMATION THAT I AM LOOKING FOR. AT THIS POINT, ANY INFORMATION YOU ARE WILLING TO PROVIDE TO ME WILL BE GREATLY APPRECIATED.</p> <p>IF YOU HAVE ANY QUESTIONS, PLEASE FEEL FREE TO CONTACT EITHER BY EMAIL OR BY PHONE. THANKS AND HAVE A GREAT DAY!</p> <p>TAMMY</p> <p>TAMMY ROSE HABITAT ASSESSMENT BIOLOGIST HABITAT MANAGEMENT DIVISION, FISHERIES AND OCEANS CANADA BEDFORD INSTITUTE OF OCEANOGRAPHY, DARTMOUTH PHONE: (902) 426-0379 FAX: (902) 426-1489 EMAIL: <a href="mailto:ROSET@MAR.DFO-MPO.GC.CA">ROSET@MAR.DFO-MPO.GC.CA</a></p>	<p>December 10, 2003</p>	<p>Rose, Tammy</p>
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<p>December 18, 2003</p>	<p>Correspondence - Do not go to Macro Access Screen</p>	<p>SENT THE FOLLOWING EMAIL TO GREG STEVENS CONCERNING INFORMATION ON ANADRAMOUS FISH SPECIES IN THE TIVERTON AREA:</p> <p>-----ORIGINAL MESSAGE-----  FROM: ROSE, TAMMY LEE ANNE  SENT: DECEMBER 18, 2003 4:59 PM  TO: STEVENS, GREG  SUBJECT: RE: TIVERTON- SMALL CRAFT HARBOURS HARBOUR DEVELOPMENT  IMPORTANCE: HIGH</p> <p>GOOD AFTERNOON,</p> <p>MY NAME IS TAMMY ROSE AND I AM WORKING WITH THE HABITAT MANAGEMENT DIVISION (BIO). I HAVE RECENTLY RECEIVED A SMALL CRAFT HARBOURS (SCH) FILE WHEREBY SCH IS PLANNING TO DEVELOP A HARBOUR IN THE TIVERTON, PETIT PASSAGE AREA OF NOVA SCOTIA (LATITUDE: NAD 83 44° 23' 00" AND LONGITUDE: NAD 83 66° 13' 30". THE PROPOSED DEVELOPMENT WILL OCCUR ADJACENT TO THE FERRY WHARF. IN REVIEWING THIS PROJECT, THE DEVELOPMENT WILL OCCUR OVER 3 PHASES:</p> <p>PHASE 1: CONSTRUCTION OF A 210M BREAKWATER WHICH WILL EXTEND OUT BEYOND THE FERRY WHARF (TIME FRAME: NOVEMBER 2003-SEPTEMBER 2004)  PHASE 2: INSTALLATION OF 7 FLOATING WHARVES, ACCESS RAMP AND CONSTRUCTION OF PARKING AREA (FALL/WINTER 2004-MARCH 31, 2006)  PHASE 3: DREDGING OF THE BASIN, INSTALLATION OF PIPE PILES AND CONSTRUCTION OF MARGINAL WHARF (APRIL 1, 2006 - MARCH 31, 2008)</p> <p>AS A PART OF PHASE 1 AND PHASE 3 THE PROPONENT (SCH) MAY BE BLASTING TO DREDGE THE AREA 2.0 METRES BELOW THE CHART DATUM. UNFORTUNATELY, THERE IS VERY LITTLE INFORMATION IN THEIR ENVIRONMENTAL SCREENING REPORT CONCERNING FISH SPECIES THAT MAY INHABIT THE AREA. I WAS WONDERING IF YOU WOULD BE ABLE TO PROVIDE ME WITH ANY INFORMATION CONCERNING FISH SPECIES THAT INHABIT THE PROPOSED CONSTRUCTION AREA (I.E. STOCK STATUS REPORTS, ETC.). I EXPECT THERE ARE NUMEROUS SPECIES IN AND AROUND THIS AREA. THE BEST THING WOULD BE TO SEND YOUR REQUEST TO TERRY MATHESON THE CONSERVATION AND PROTECTION SUPERVISOR IN DIGBY. ALSO, CONSIDERING THE TIME LINES ASSOCIATED WITH THE POTENTIAL FOR BLASTING (I.E. PHASE 3 WILL TAKE APPROXIMATELY 2 YEARS TO COMPLETE), I WAS WONDERING WOULD YOU LIKE TO REVIEW THE CEEA SCREENING REPORT FOR THIS PROJECT TO SEE IF YOU HAVE ANY ISSUES CONCERNING ANADRAMOUS FISH SPECIES AND THE IMPACTS THE PROJECT MAY IMPOSE ON THEM. I AM SOMEWHAT FAMILIAR WITH THIS AREA AND I EXPECT THAT IMPACTS ON ANADROMOUS SPECIES WOULD BE MINIMAL OR NON-EXISTANT. IF NOT ALREADY ON YOUR LIST, PETER AMIRO AND ROD BRADFORD OF THE DIADROMOUS FISHERIES DIVISION WOULD BE INTERESTED IN THE CEEA. IF SO, I WILL PROVIDE YOU WITH A COPY OF THE REPORT.</p> <p>I WOULD REALLY APPRECIATE ANY FEED BACK YOU COULD GIVE ME CONCERNING THIS EMAIL. IF YOU WOULD LIKE TO DISCUSS THIS FILE FURTHER OR IF YOU HAVE ANY QUESTIONS, PLEASE FEEL FREE TO CONTACT ME EITHER BY PHONE: 426-0379 OR BY EMAIL: ROSET@MAR.DFO-MPO.GC.CA.</p> <p>THANKS FOR YOU ASSISTANCE AND I APOLOGIZE FOR THE LENGTHY EMAIL!!</p> <p>CHEERS,  TAMMY</p>	<p>January 6, 2004</p>	<p>Rose, Tammy</p>
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December 31, 2003	Telephone Conversation	SPOKE WITH ROSALIA AND SHE INDICATED THAT THE ENGINEERS FOR THIS PROJECT TOLD HER THAT BLASTING WILL BE A PART OF THIS PROJECT. I HAD INDICATED THAT SHE WILL HAVE TO SUBMIT A BLASTING PLAN. I TOLD HER I WOULD FIND OUT WHAT IS REQUIRED IN THE PLAN AND GET BACK TO HER IN THE NEW YEAR.	January 16, 2004	Rose, Tammy
January 8, 2004	Meeting	MET WITH THOMAS WHEATON, TED POTTER, AND ROSALIA GALANTE (PWGSC) CONCERNING THIS FILE. THOMAS HAD INDICATED THAT HE WAS GENERATING A LETTER OF INTENT FOR THE DESTRUCTION OF 20,445 SQUARE METRES OF FISH HABITAT. I GAVE THOMAS A COPY OF THE SCREENING REPORT FOR THIS FILE.	January 16, 2004	Rose, Tammy
January 14, 2004	Correspondence - Do not go to Macro Access Screen	<p>SPOKE WITH SHAYNE MCQUAID CONCERNING A SITE VISIT TO GERMAIN BROOK:</p> <p>HI SHANE,</p> <p>DESPITE MY EARLIER REQUESTS, I JUST WANTED TO LET YOU KNOW THAT IT IS NOT NECESSARY FOR YOU TO CONDUCT A SITE VISIT TO GERMAIN BROOK. AS PER THOMAS WHEATON, THE COMPENSATION WORK PROPOSED BY SCH FOR THE GERMAIN BROOK IS NOT ACCEPTABLE FOR A HADD OF 62,000 SQUARE METERS OF MARINE FISH HABITAT. IN SAYING THAT, IT MAY BE CONSIDERED IN CONJUNCTION WITH OTHER RESTORATION PROJECTS PROPOSED FOR THE TIVERTON AREA. IT IS TOO EARLY TO DETERMINE WHAT PROJECTS WILL BE CONSIDERED COMPENSATION FOR THIS HADD.</p> <p>I APPRECIATE ALL OF YOUR HELP AND IF YOU HAVE ANY QUESTIONS CONCERNING THIS EMAIL, PLEASE FEEL FREE TO CONTACT ME.</p> <p>THANKS,</p> <p>TAMMY</p>	January 16, 2004	Rose, Tammy



<p>January 19, 2004</p>	<p>Correspondence - Do not go to Macro Access Screen</p>	<p>RESPONSE TO ACTION ID NO 38 FROM BRIAN PETRIE CONCERNING THE EFFECTS THE PROJECT MAY IMPOSE ON OCEANOGRAPHY.</p> <p>SEE BELOW</p> <p>BRIAN PETRIE RESEARCH SCIENTIST, BEDFORD INSTITUTE OF OCEANOGRAPHY P.O. BOX 1006, DARTMOUTH, CANADA B2Y 4A2 PETRIEB@MAR.DFO-MPO.GC.CA 1-902-426-3809 1-902-426-6927 (FAX)</p> <p>-----ORIGINAL MESSAGE----- FROM: POTTER, TED SENT: JANUARY 19, 2004 11:22 AM TO: GREENBERG, DAVID; PETRIE, BRIAN CC: WORCESTER, TANA; SMITH, PETER; ROSE, TAMMY LEE ANNE SUBJECT: OCEANOGRAPHIC COMMENTS ON TIVERTON SMALL CRAFT HARBOUR PROJECT</p> <p>HI DAVE, BRIAN,</p> <p>HABITAT MANAGEMENT HAS RECIEVED COMMENTS BACK FROM PWGSC ON THE ENVIRONMENTAL ASSESSMENT FOR TIVERTON SMALL CRAFT HARBOUR PROJECT. AS PWGSC HAS NOT YET UPDATED THE EA, HABITAT MANAGEMENT IS NOT REQUESTING AN EXPERT OPINION REVIEW AT THIS TIME AND IF THE ATTACHED RESPONSE ARE ACCEPTABLE, AN EXPERT OPINION MAY NOT BE REQUIRED AT ALL.</p> <p>AS SUCH, COULD YOU PLEASE LOOK AT THE TEXT BELOW AND OFFER YOUR ADVICE? IF YOU REQUIRE FURTHER INFORMATION, TAMMY ROSE IN OUR OFFICE HAS THE ORIGINAL ENVIRONMENTAL ASSESSMENT.</p> <p>THE QUESTION THAT HABITAT MANAGEMENT NEEDS ANSWERED IS, HAS PWGSC DEMONSTRATED THROUGH ITS ANSWER THAT THERE IS NOT LIKELY TO BE ANY SIGNIFICANT ADVERSE ENVIRONMENTAL EFFECTS FROM THE CHANGES TO TIDES AND CURRENTS IN THE PETIT PASSAGE AS A RESULT OF BUILDING OF THIS HARBOUR FACILITY?</p> <p>IF YOU COULD PROVIDE A REPLY BY NOON FRIDAY JANUARY 23RD.</p> <p>THANKS,</p> <p>TED</p> <p>AFTER REVIEWING THE DOCUMENT ENTITLED ENVIRONMENTAL SCREENING FOR HARBOUR DEVELOPMENT (BREAKWATER, FLOATING DOCKS, DREDGING, AND SERVICE AREA) AT TIVERTON, DIGBY COUNTY, NOVA SCOTIA; WE FOUND THE DOCUMENT TO BE DEFICIENT IN THE AREA OF OCEANOGRAPHY. PLEASE ADDRESS THE FOLLOWING ISSUES: [PETRIE, BRIAN] I THINK THAT I WOULD HAVE SAID THAT WE DID NOT SEE EVIDENCE THAT THE OCEANOGRAPHY OF THE AREA, IN PARTICULAR THE OBSERVATIONS OF SEIBERT AND REDDY, HAD BEEN CONSIDERED IN THE PROPOSAL.</p> <p>THE IMPACTS ASSOCIATED WITH THE INSTALLATION OF A BREAKWATER ON TIDAL RANGE AND WATER VELOCITY IN PETIT PASSAGE (I.E. FLOW RESTRICTIONS )</p>	<p>January 20, 2004</p>	<p>Rose, Tammy</p>
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PAUL DAVISON (SENIOR COASTAL ENGINEER, PWGSC) WAS APPROACHED ON THESE QUESTIONS. HE WAS ALSO PROVIDED WITH THE REPORT YOU FORWARDED: SEIBERT, G.H. AND M.P.M REDDY. PETIT PASSAGE TIDE AND CURRENT SURVEY, 1966.

THERE WILL BE NO IMPACT ON THE TIDE RANGE. THIS IS PRE-DETERMINED BY THE HYDRAULICS OF THE BAY OF FUNDY/GULF OF MAINE AS A WHOLE, AND THE SCALE OF THIS PROJECT IS MUCH TOO SMALL TO IMPACT SUCH A WIDESPREAD AREA. THE BREAKWATER IS POROUS AND CANNOT RETAIN WATER. WATER CAN PERCOLATE THROUGH IT IN MUCH LESS TIME THAN A TIDE CYCLE. [PETRIE, BRIAN] AGREE, NO IMPACT ON TIDAL RANGE.

TIDAL VELOCITIES: THE MAXIMUM TIDAL CURRENT IS IN THE MOST CONSTRICTED PART OF PETIT PASSAGE, WHICH IS SOUTH OF THE SITE. THE PROPOSED WORK IS LOCATED IN RELATIVELY SHALLOW WATER IN THE WIDER PORTION OF THE STRAIT. THE 1966 PETIT PASSAGE TIDE AND CURRENT SURVEY BY SEIBERT AND REDDY INDICATES THAT THE MAIN FLOOD AND EBB FLOWS ARE CONFINED TO THE DEEPER PORTIONS OF THE CHANNEL, AND DO NOT EXTEND ALL THE WAY IN TO THE SHORELINES. INSTEAD, THERE ARE TWO SHEAR LINES ON EITHER SIDE OF THE FLOW JET, VARYING FROM 10M TO 200 M OFFSHORE. THE WATER ON THE SHOREWARD SIDE OF THE SHEAR LINES ACTUALLY FLOWS COUNTER TO THE MAIN FLOW IN A SERIES OF EDDIES. THE PROPOSED HARBOUR IS LOCATED IN THE PART OF PETIT PASSAGE WHERE THIS REVERSE FLOW ZONE IS AT ITS WIDEST.

[PETRIE, BRIAN] THAT IS A REASONABLE INTERPRETATION OF S&R.

THE NEW BREAKWATER WILL NOT EXTEND SUFFICIENTLY FAR FROM SHORE TO DISRUPT THIS FLOW PATTERN. THE OVERALL IMPACT ON PETIT PASSAGE WILL BE NEGLIGIBLE BECAUSE THE MAIN FLOW IS NOT BEING CONSTRICTED ANY MORE THAN IT IS NOW. THERE WILL BE LOCALIZED EDDYING IN THE VICINITY OF THE NEW HARBOUR ENTRANCE AROUND THE TIMES OF MID-TIDE, NOT EXCEEDING 3 KNOTS (REFER TO DATA FOR GAUGE LOCATION 4 IN SEIBERT AND REDDY). THIS IS ALREADY OCCURRING AT THE ENDS OF EXISTING WHARVES IN THE PASSAGE, AND THE HARBOUR USERS ARE PREPARED TO DEAL WITH THEM.

[PETRIE, BRIAN] IT WAS DIFFICULT FOR US TO DETERMINE THE OFFSHORE EXTENT OF THE NEW STRUCTURE FROM THE MATERIAL WE SAW. AGAIN I THINK THAT THIS IS A REASONABLE RESPONSE.

THE POTENTIAL IMPACTS THE INCREASED WATER VELOCITY AND INCREASED TIDAL RANGE MAY IMPOSE ON THE FERRY OPERATION.

THE NS DEPT. OF TRANSPORTATION FERRY RUNS OBLIQUELY ACROSS THE PASSAGE, AND ITS TRAJECTORY TAKES IT AWAY FROM THE PROPOSED HARBOUR ENTRANCE. ANY EDDYING ASSOCIATED WITH THE NEW BREAKWATER IS EXPECTED TO BE SUFFICIENTLY LOCALIZED SO AS NOT TO IMPINGE ON THE FERRY PATH. IN FACT, CURRENTS IN THE VESSEL'S APPROACH TO THE EXISTING TIVERTON BERTH MAY LESSEN DUE TO THE ADDED SHELTERING EFFECT OF THE BREAKWATER, AND FRICTIONAL LOSSES DUE TO ITS ROUGH SURFACE.

[PETRIE, BRIAN] A COMPUTATION TO SHOW THAT THIS MAY BE THE CASE WOULD BE MORE ASSURING BUT THE RESPONSE IS NOT UNREASONABLE.

SECTION HEAD, HABITAT MANAGEMENT DIVISIONS/CHEF DE SECTION, DIVISION DE LA GESTION DE L'HABITAT

DFO MARITIMES REGION / MPO RÉGION DES MARITIMES

1 CHALLENGER DR., 5TH FLOOR POLARIS BUILDING / 1, PROMENADE CHALLENGER, IMMEUBLE POLARIS, 5E ÉTAGE

BEDFORD INSTITUTE OF OCEANOGRAPHY / INSTITUT OCÉANOGRAPHIQUE DE BEDFORD  
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		FAX: (902) 426- 1489		
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<p>January 19, 2004</p>	<p>Correspondence - Do not go to Macro Access Screen</p>	<p>REQUEST FROM TED POTTER TO BRIAN PETRIE AND DAVE GREENBURG CONCERNING THE EFFECTS THIS PROJECT MAY IMPOSE ON THE OCEANOGRAPHICAL ASPECTS OF TIVERTON, PETIT PASSAGE. A COPY OF THIS REQUEST WAS PLACED ON THE FILE</p> <p>HI DAVE, BRIAN,</p> <p>HABITAT MANAGEMENT HAS RECIEVED COMMENTS BACK FROM PWGSC ON THE ENVIRONMENTAL ASSESSMENT FOR TIVERTON SMALL CRAFT HARBOUR PROJECT. AS PWGSC HAS NOT YET UPDATED THE EA, HABITAT MANAGEMENT IS NOT REQUESTING AN EXPERT OPINION REVIEW AT THIS TIME AND IF THE ATTACHED RESPONSE ARE ACCEPTABLE, AN EXPERT OPINION MAY NOT BE REQUIRED AT ALL.</p> <p>AS SUCH, COULD YOU PLEASE LOOK AT THE TEXT BELOW AND OFFER YOUR ADVICE? IF YOU REQUIRE FURTHER INFORMATION, TAMMY ROSE IN OUR OFFICE HAS THE ORIGINAL ENVIRONMENTAL ASSESSMENT.</p> <p>THE QUESTION THAT HABITAT MANAGEMENT NEEDS ANSWERED IS, HAS PWGSC DEMONSTRATED THROUGH ITS ANSWER THAT THERE IS NOT LIKELY TO BE ANY SIGNIFICANT ADVERSE ENVIRONMENTAL EFFECTS FROM THE CHANGES TO TIDES AND CURRENTS IN THE PETIT PASSAGE AS A RESULT OF BUILDING OF THIS HARBOUR FACILITY?</p> <p>IF YOU COULD PROVIDE A REPLY BY NOON FRIDAY JANUARY 23RD.</p> <p>THANKS,</p> <p>TED</p> <p>AFTER REVIEWING THE DOCUMENT ENTITLED ENVIRONMENTAL SCREENING FOR HARBOUR DEVELOPMENT (BREAKWATER, FLOATING DOCKS, DREDGING, AND SERVICE AREA) AT TIVERTON, DIGBY COUNTY, NOVA SCOTIA; WE FOUND THE DOCUMENT TO BE DEFICIENT IN THE AREA OF OCEANOGRAPHY. PLEASE ADDRESS THE FOLLOWING ISSUES:</p> <p>THE IMPACTS ASSOCIATED WITH THE INSTALLATION OF A BREAKWATER ON TIDAL RANGE AND WATER VELOCITY IN PETIT PASSAGE (I.E. FLOW RESTRICTIONS )</p> <p>PAUL DAVISON (SENIOR COASTAL ENGINEER, PWGSC) WAS APPROACHED ON THESE QUESTIONS. HE WAS ALSO PROVIDED WITH THE REPORT YOU FORWARDED: SEIBERT, G.H. AND M.P.M REDDY. PETIT PASSAGE TIDE AND CURRENT SURVEY, 1966.</p> <p>THERE WILL BE NO IMPACT ON THE TIDE RANGE. THIS IS PRE-DETERMINED BY THE HYDRAULICS OF THE BAY OF FUNDY/GULF OF MAINE AS A WHOLE, AND THE SCALE OF THIS PROJECT IS MUCH TOO SMALL TO IMPACT SUCH A WIDESPREAD AREA. THE BREAKWATER IS POROUS AND CANNOT RETAIN WATER. WATER CAN PERCOLATE THROUGH IT IN MUCH LESS TIME THAN A TIDE CYCLE.</p> <p>TIDAL VELOCITIES: THE MAXIMUM TIDAL CURRENT IS IN THE MOST CONSTRICTED PART OF PETIT PASSAGE, WHICH IS SOUTH OF THE SITE. THE PROPOSED WORK IS LOCATED IN RELATIVELY SHALLOW WATER IN THE WIDER PORTION OF THE STRAIT. THE 1966 PETIT PASSAGE TIDE AND CURRENT SURVEY BY SEIBERT AND REDDY INDICATES THAT THE MAIN FLOOD AND EBB FLOWS ARE CONFINED TO THE DEEPER PORTIONS OF THE CHANNEL, AND DO NOT EXTEND ALL THE WAY IN TO THE SHORELINES. INSTEAD, THERE ARE TWO SHEAR LINES ON EITHER SIDE OF THE FLOW JET, VARYING FROM 10M TO 200 M OFFSHORE. THE WATER ON THE SHOREWARD SIDE OF THE SHEAR LINES ACTUALLY FLOWS COUNTER TO THE MAIN FLOW IN A SERIES OF EDDIES. THE PROPOSED HARBOUR IS LOCATED IN THE PART OF PETIT PASSAGE WHERE THIS REVERSE FLOW</p>	<p>January 20, 2004</p>	<p>Rose, Tammy</p>
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		<p>ZONE IS AT ITS WIDEST.</p> <p>THE NEW BREAKWATER WILL NOT EXTEND SUFFICI</p>		
January 20, 2004	Correspondence - Do not go to Macro Access Screen	<p>SENT AN EMAIL TO ROSALIA GALANTE (PWGSC) CONCERNING A VOICE MAIL SHE LEFT ON MY PHONE JANUARY 19, 2004. THE SUBJECT OF THE EMAIL WAS A BLASTING PLAN AND A COPY OF THIS EMAIL WAS PLACED ON THE FILE:</p> <p>HI ROSALIA,</p> <p>I AM RESPONDING TO THE VOICE MAIL YOU LEFT YESTERDAY JANUARY 19, 2004. YOU HAD INDICATED THAT DESPITE THE EMAIL YOU SENT ON JANUARY 18TH INDICATING THAT YOU WOULD HAVE A BLASTING PLAN READY FOR MY REVIEW BY THE END OF THIS WEEK, YOU ARE REQUESTING TO GIVE ME SOMEWHAT OF A DRAFT BLASTING PLAN THAT CAN BE CHANGED ONCE SCH TENDERS FOR PHASE 2 OF THE PROJECT. WHOEVER WINS THE TENDER CAN SUBMIT THE BLASTING PLAN, BUT IT WILL NOT BE UNTIL PHASE 2.</p> <p>MY RESPONSE IS THAT WE WILL REQUIRE A DETAILED BLASTING PLAN BEFORE WE SIGN OFF ON THE SCREENING REPORT INDICATING THAT SIGNIFICANT ADVERSE EFFECTS ARE NOT LIKELY. HAVING SAID THIS, YOU MAY WANT TO CONTRACT SERVICES TO A PROFESSIONAL BLASTER (I.E. ARCHIBALD'S DRILLING AND BLASTING) TO GET THIS BLASTING PLAN DEVELOPED. ONCE THE BLASTING PLAN HAS BEEN FINALIZED (AND WE AGREE TO IT), THE BLASTER WHO WINS THE TENDER IN PHASE 2 SHOULD CONDUCT ALL BLASTING ACCORDING TO THE BLASTING PLAN SUBMITTED PRIOR TO THE PROJECT COMMENCEMENT.</p> <p>SECTION 32 OF THE FISHERIES ACT STATES NO PERSON SHALL DESTROY FISH BY ANY MEANS OTHER THAN FISHING EXCEPT AS AUTHORIZED BY THE MINISTER OR UNDER REGULATIONS MADE BY THE GOVERNOR IN COUNCIL UNDER THIS ACT. IN ADDITION, AUTHORIZING THIS ACTIVITY IS A LAW LIST TRIGGER FOR CEAA MEANING THAT WE HAVE TO ENSURE THE EFFECTS OF THIS ACTIVITY ON THE ENVIRONMENT ARE NOT SIGNIFICANTLY ADVERSE. TO DO THIS WE WILL REQUIRE THE BLASTING PLAN PRIOR TO PROJECT COMMENCEMENT. ALL FORESEEABLE PROJECT ACTIVITIES/PHASES MUST BE TAKEN INTO CONSIDERATION DURING THE CEAA SCREENING.</p> <p>IF YOU HAVE ANY QUESTIONS CONCERNING THIS EMAIL PLEASE CONTACT ME EITHER BY PHONE OR BY EMAIL.</p>	January 20, 2004	Rose, Tammy

		<p>THANKS,</p> <p>TAMMY</p> <p>TAMMY ROSE  HABITAT ASSESSMENT BIOLOGIST  HABITAT MANAGEMENT DIVISION, FISHERIES AND OCEANS CANADA  BEDFORD INSTITUTE OF OCEANOGRAPHY, DARTMOUTH  PHONE: (902) 426-0379  FAX: (902) 426-1489  EMAIL: <a href="mailto:ROSET@MAR.DFO-MPO.GC.CA">ROSET@MAR.DFO-MPO.GC.CA</a></p>		
January 28, 2004	Correspondence - Do not go to Macro Access Screen	<p>I SPOKE WITH TED POTTER THIS MORNING CONCERNING MY TELEPHONE CONVERSATION WITH ROSALIA GALANTE (PWGSC). IN ADDITION, I SENT TED AN EMAIL CONCERNING THE ISSUES/QUESTIONS THAT WERE NOT ADDRESSED IN THE SCREENING REPORT. THE EMAIL MAY BE VIEWED BELOW AND WAS PLACED ON THE FILE.</p> <p>HI TED,</p> <p>AS PER OUR MEETING THIS MORNING, I HAD AN OPPORTUNITY TO REVIEW THE FINAL CEEA SCREENING REPORT FOR TIVERTON AND FOUND THAT THE RESPONSES TO THE LIST OF QUESTIONS I SENT TO ROSALIA CONCERNING THE SCREENING REPORT WERE NOT ADDRESSED. THESE ISSUES INCLUDED:</p> <p>OCEANOGRAPHIC ASPECTS: THE IMPACTS ASSOCIATED WITH THE INSTALLATION OF THE BREAKWATER ON TIDAL RANGE AND WATER VELOCITY IN PETIT PASSAGE  THE POTENTIAL IMPACT THE INCREASED WATER VELOCITY AND INCREASED TIDAL RANGE MAY IMPOSE ON RESIDING PROPERTY OWNERS  THE LOCATION OF THE LOBSTER CARS IN RELATION TO THE PROJECT ACTIVITY  THERE WAS APPROXIMATELY 4250 SQUARE METERS OF FISH HABITAT DESTRUCTION NOT ACCOUNTED FOR (I.E. THE PROJECT ACTIVITY THAT WILL CAUSE 4250 SQUARE METERS OF HADD)  THE POTENTIAL IMPACTS THE INCREASED WATER VELOCITY MAY IMPOSE ON PELAGIC FISH AND OR LARVAL STAGES (QUESTION FROM THOMAS WHEATON)  THE LETTER OF INTENT DOES NOT REFLECT THE REVISED PROJECT PHASES (THE PHASES FOR THIS PROJECT WERE REVISED AND CHANGES WERE NOT MADE TO THE LETTER OF INTENT CLARIFYING THE PHASES OF THIS PROJECT).</p> <p>I THINK THAT'S IT! I SPOKE WITH ROSALIA AND SHE IS GOING TO MAKE THE CHANGES AND GET BACK TO ME. SHE SAID SHE WOULD START WORKING ON THESE RIGHT AWAY SO THAT WE ARE NOT LEFT HANGING. I WILL KEEP YOU UP TO DATE ON HER PROGRESSION.</p> <p>THANKS,</p> <p>TAMMY</p>	January 28, 2004	Rose, Tammy

		<p>TAMMY ROSE  HABITAT ASSESSMENT BIOLOGIST  HABITAT MANAGEMENT DIVISION, FISHERIES AND OCEANS CANADA  BEDFORD INSTITUTE OF OCEANOGRAPHY, DARTMOUTH  PHONE: (902) 426-0379  FAX: (902) 426-1489  EMAIL: <a href="mailto:ROSET@MAR.DFO-MPO.GC">ROSET@MAR.DFO-MPO.GC</a></p>		
February 2, 2004	Correspondence - Do not go to Macro Access Screen	<p>SENT AN EMAIL TO ROSALIA GALANTE (PWGSC) CONCERNING THE BLASTING PLAN AND USE OF EXPLOSIVE SECTION OF THE ENVIRONMENTAL SCREENING. THIS EMAIL AND THE ATTACHMENT CAN BE VIEWED BELOW AND WERE PLACED ON THE FILE</p> <p>HI ROSALIA,</p> <p>AS DISCUSSED ON FRIDAY, THE FOLLOWING ATTACHMENT INDICATES CONCERNS I HAVE WITH THE BLASTING PLAN AND ISSUE B14 OF THE ENVIRONMENTAL SCREENING FOR TIVERTON-HARBOUR DEVELOPMENT. IF YOU HAVE ANY QUESTIONS CONCERNING THE ATTACHMENT, PLEASE DO NOT HESITATE TO CONTACT ME.</p> <p>THANKS,</p> <p>TAMMY</p> <p>TAMMY ROSE  HABITAT ASSESSMENT BIOLOGIST  HABITAT MANAGEMENT DIVISION, FISHERIES AND OCEANS CANADA  BEDFORD INSTITUTE OF OCEANOGRAPHY, DARTMOUTH  PHONE: (902) 426-0379  FAX: (902) 426-1489  EMAIL: <a href="mailto:ROSET@MAR.DFO-MPO.GC">ROSET@MAR.DFO-MPO.GC</a></p>	February 2, 2004	Rose, Tammy

April 5, 2004	Telephone Conversation	<p>SPOKE TO ROSALIA GALANTE CONCERNING THE CONCERNS EXPRESSED BY JACK LEEMAN. I TOLD ROSALIA THAT I WOULD FORWARD THE EMAIL TO HER AS SOON AS I RECEIVED IT.</p> <p>IN ADDITION, ROSALIA INDICATED THAT THEY HAVE RE-OPENED THE CEEA FOR TIVERTON BECAUSE THEY ARE PLANNING TO CONDUCT BLASTING ACTIVITIES DURING PHASE 1 OF THIS PROJECT AS OPPOSED TO CONDUCTING BLASTING ACTIVITIES DURING PHASE 2. THE PLANS HAVE NOT BEEN FINALIZED AND THE FINAL CEEA WILL BE SENT FOR SIGNATURE ONCE IT IS COMPLETE.</p>	April 6, 2004	Rose, Tammy
May 27, 2004	Note to File	<p>RECEIVED AN ADDITIONAL FINAL CEEA SCREENING REPORT FOR THE TIVERTON FILE TO SCOPE BLASTING INTO PHASE 1 INSTEAD OF PHASE 2.</p> <p>HI TAMMY,</p> <p>FURTHER TO MY EMAIL BELOW, AND AS PER OUR CONVERSATION TODAY REGARDING STARTING DREDGING/BLASTING IN PHASE 1 (WHERE BLASTING WOULD ONLY BE CONDUCTED DURING THE MONTH OF JUNE), THE FOLLOWING INFORMATION MAY PROVE USEFUL WHEN CONSULTING WITH BRIAN JOLLIMORE.</p> <p>THE BREAKWATER TO DATE IS CONSTRUCTED TO APPROX 130 M IN LENGTH. THEY ARE JUST ABOUT TO MAKE THE BEND FOR THE ELL PORTION OF THE BREAKWATER. THE PLANNED BLAST AREA IS BETWEEN STATIONS 20 M AND 50 M ALONGSIDE THE BREAKWATER STEM ON THE BASIN SIDE. THE BUBBLE CURTAIN WILL BE ATTACHED TO THE BREAKWATER IN TWO PLACES FORMING A SEMI-CIRCLE ENCLOSURE AROUND THE BLAST AREA. THE BUBBLE CURTAIN WILL BE SECURED TO THE BREAKWATER AT STATION 15 M AND STATION 65 M. THE BUBBLE CURTAIN WILL BE ANCHORED TO REMAIN IN POSITION. THIS METHOD OF ENCLOSURE IS FELT TO BE MORE EFFECTIVE THAN RUNNING THE BUBBLE CURTAIN OVER TO THE PROVINCIAL FERRY WHARF.</p> <p>REGARDS, ROSALIA</p> <p>&gt; ----ORIGINAL MESSAGE----- &gt; FROM: ROSALIA GALANTE &gt; SENT: TUESDAY, MAY 25, 2004 9:29 AM &gt; TO: TAMMY ROSE (E-MAIL) &gt; SUBJECT: TIVERTON HARBOUR DEVELOPMENT &gt; &gt; HI TAMMY, &gt; &gt; AS DISCUSSED IN EARLY APRIL, A NEW CEEA SCREENING WAS INITIATED FOR TIVERTON HARBOUR DEVELOPMENT PROJECT DUE TO REVISED INFORMATION IN THE PROJECT DESCRIPTION (THE POSSIBILITY OF CONDUCTING DREDGING OR BLASTING DURING PHASE 1) AND IN THE ENVIRONMENTAL SETTING (TIMING OF RIGHT WHALES IN AREA). A NOTICE OF COMMENCEMENT WAS POSTED ON CEAR ON MARCH 30, 2004. &gt; &gt; THIS IS WHAT HAS BEEN CHANGED: &gt; &gt; ISSUE A5 - &gt; PREVIOUSLY READ: &gt; (PARAGRAPH 3) &gt; NO DREDGING OR BLASTING OF CLASS A MATERIAL (ROCK) WITHIN THE NEW BASIN WILL BE CONDUCTED IN THIS PHASE.</p>	May 28, 2004	Rose, Tammy



> REVISED TEXT READS:  
 > DEPENDING ON FUNDING, DREDGING OR BLASTING OF CLASS A MATERIAL (ROCK) WITHIN THE NEW BASIN (PROPOSED TO BE CONDUCTED IN PHASE II) MAY BE STARTED IN THIS PHASE. IF ROCK IS BLASTED IN PHASE I, THE ROCK WILL BE USED IN CONSTRUCTION OF THE BREAKWATER.  
 > AND ALSO ADDED SENTENCE: AS A COMPONENT OF THIS ASSESSMENT, HABITAT COMPENSATION IN THE FORM OF HABITAT ENHANCEMENT/RESTORATION WILL BE CONDUCTED.  
 >  
 > ISSUE A7 -  
 > PREVIOUSLY READ:  
 > CONSULTATION WITH A LOCAL TOUR GUIDE OPERATOR PROVIDED INFORMATION ON THE TIME WHEN MARINE MAMMALS ARE PRESENT (PERS. COM., D. NORWOOD). ATLANTIC RIGHT WHALE APPEAR IN THE TIVERTON AREA AT THE EARLIEST IN MAY AND STAY UNTIL LATE FALL/EARLY WINTER (UNTIL DECEMBER 30 AT THE LATEST).  
 > REVISED TEXT READS:  
 > CONSULTATION WITH A LOCAL TOUR GUIDE OPERATOR PROVIDED INFORMATION ON THE TIME WHEN MARINE MAMMALS ARE PRESENT (PERS. COM., D. NORWOOD). ATLANTIC RIGHT WHALE APPEAR IN THE TIVERTON AREA AT THE EARLIEST IN JULY AND STAY UNTIL LATE FALL/EARLY WINTER (UNTIL DECEMBER 30 AT THE LATEST).  
 >  
 > ISSUE B14, D1 AND TABLE 1 -  
 > PREVIOUSLY READ:  
 > BLASTING WILL NOT BE PERMITTED FROM MAY UNTIL LATE DECEMBER WHEN ATLANTIC RIGHT WHALE AND OTHER SPECIES AT RISK (IDENTIFIED IN ISSUE A7) ARE PRESENT IN THE TIVERTON AREA. BLASTING WILL ONLY BE CONDUCTED FROM JANUARY THROUGH TO THE END OF APRIL.  
 > REVISED TEXT READS:  
 > BLASTING WILL NOT BE PERMITTED FROM JULY UNTIL LATE DECEMBER WHEN ATLANTIC RIGHT WHALE AND OTHER SPECIES AT RISK (IDENTIFIED IN ISSUE A7) ARE PRESENT IN THE TIVERTON AREA. BLASTING WILL ONLY BE CONDUCTED FROM JANUARY THROUGH TO THE END OF JUNE.  
 >  
 > AND IN ADDITION FOR B14 -  
 > ADDED TEXT:  
 > DEPENDING ON FUNDING, DREDGING OR BLASTING OF CLASS A MATERIAL (ROCK) WITHIN THE NEW BASIN (PROPOSED TO BE CONDUCTED IN PHASE II) MAY BE STARTED IN THIS PHASE. IF ROCK IS BLASTED IN PHASE I, THE ROCK WILL BE USED IN CONSTRUCTION OF THE BREAKWATER.  
 >  
 > THE FINAL CEAA SCREENING IS ATTACHED HERE FOR YOUR RECORDS AND THE ORIGINAL HARD COPY IS ON ITS WAY TO YOUR OFFICE.  
 >> <<FINAL CEAA TIVERTON MAY 21.DOC>>  
 > PLEASE SIGN, MAKE A COPY FOR YOUR FILES AND RETURN ORIGINAL COPY (INCLUDING ORIGINAL SIGNATURE PAGE) TO ME FOR PROVISION TO THE PROPONENT'S HEADQUARTERS OFFICE IN MONCTON AND FOR THE DETERMINATION TO BE POSTED ON THE CEAA WEBSITE AS WELL.>  
 >  
 > REGARDS,  
 > ROSALIA  
 >  
 > ROSALIA GALANTE  
 > ENVIRONMENTAL ASSESSMENT OFFICER  
 > ENVIRONMENTAL SERVICES - PUBLIC WORKS GOVERNMENT SERVICES CANADA  
 > 1713 BEDFORD ROW, P.O. BOX 2247, HALIFAX, NOVA SCOTIA, B3J 3C9  
 > PHONE (902) 496-3302  
 > FAX (902) 496-5536  
 > EMAIL: ROSALIA.GALANTE@PWGSC.GC.CA

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June 1, 2004	Note to File	RECEIVED FINAL CEEA SCREENING FOR THIS FILE WHICH HAS SCOPED BLASTING INTO PHASE 1 OF THIS PROJECT.	June 3, 2004	Rose, Tammy
June 2, 2004	Note to File	<p>SENT AN EMAIL TO LEI HARRIS CONCERNING THE BLASTING AND THE EFFECTS IT MAY HAVE ON MARINE MAMMALS IN THE TIVERTON (PETIT PASSAGE AREA). A COPY OF THIS EMAIL WAS PLACED ON THE FILE.</p> <p>HI LEI,</p> <p>AS PER OUR TELEPHONE CONVERSATION ON MAY 31ST, 2004, I AM REVIEWING A PROJECT WHEREBY SMALL CRAFT HARBOURS HAS PROPOSED TO DEVELOP A HARBOUR IN TIVERTON, PETIT PASSAGE, DIGBY COUNTY, NOVA SCOTIA. THE PROJECT WILL INCLUDE BLASTING IN THE INTERTIDAL ZONE DURING PHASE 1 OF THIS PROJECT FOR THE ENTIRE MONTH OF JUNE. FOR MORE INFORMATION CONCERNING THE PROJECT, I HAVE ATTACHED THE ENVIRONMENTAL SCREENING FOR HARBOUR DEVELOPMENT (BREAKWATER, FLOATING DOCKS, DREDGING, AND SERVICE AREA) AT TIVERTON, DIGBY COUNTY, NOVA SCOTIA. YOU MAY READ THE ENTIRE DOCUMENT BUT I WOULD SUGGEST REFERING TO THE FOLLOWING SECTIONS FOR INFORMATION CONCERNING THIS PROJECT:</p> <ol style="list-style-type: none"> <li>1. COMPONENTS OF THE PROJECT (PAGE 4)</li> <li>2. DESCRIPTION OF NATURAL AREAS (PAGE 7)</li> <li>3. USE OF EXPLOSIVES (PAGE 16)</li> </ol> <p>BASED ON THE PROJECT PLANS AND THE OCCURRENCE OF MARINE MAMMALS IN THE BAY OF FUNDY, I AM WONDERING IF YOU ARE AWARE OF ANY MARINE MAMMALS THAT MAY BE SIGNIFICANTLY ADVERSELY AFFECTED IN OR NEAR PETIT PASSAGE BY THE BLASTING ACTIVITIES PLANNED TO TAKE PLACE DURING THIS TIME FRAME (JUNE 1ST TO JUNE 30TH)? COULD YOU PLEASE RESPOND TO MY REQUEST BY FRIDAY, JUNE 4, 2004.</p> <p>IF YOU HAVE ANY QUESTIONS CONCERNING MY REQUEST OR IF YOU HAVE A PROBLEM WITH THE TIMELINE ASSOCIATED WITH MY REQUEST PLEASE FEEL FREE TO CONTACT ME VIA THE INFORMATION BELOW. I APPRECIATE YOUR ASSISTANCE WITH THIS MATTER.</p>	June 3, 2004	Rose, Tammy

		<p>THANKS,</p> <p>TAMMY</p> <p>TAMMY ROSE HABITAT ASSESSMENT BIOLOGIST HABITAT MANAGEMENT DIVISION, FISHERIES AND OCEANS CANADA BEDFORD INSTITUTE OF OCEANOGRAPHY, DARTMOUTH PHONE: (902) 426-0379 FAX: (902) 426-1489 EMAIL: <a href="mailto:ROSET@MAR.DFO-MPO.GC.CA">ROSET@MAR.DFO-MPO.GC.CA</a></p>		
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<p>June 4, 2004</p>	<p>Note to File</p>	<p>RECEIVED A RESPONSE FROM LEI HARRIS CONCERNING ACTION ID NO 71. A COPY OF THE RESPONSE WAS PLACED ON THE FILE AND CAN BE VIEWED BELOW.</p> <p>HERE IS THE SCIENCE RESPONSE (FROM LEI) CONCERNING MARINE MAMMALS NEAR TIVERTON.</p> <p>TANA WORCESTER  RAP COORDINATOR (HABITAT ISSUES), SCIENCE BRANCH  FISHERIES AND OCEANS CANADA  BEDFORD INSTITUTE OF OCEANOGRAPHY  P.O. BOX 1006, 1 CHALLENGER DRIVE  DARTMOUTH, NS CANADA B2Y 4A2  TEL (902) 426-9920, FAX (902) 426-5435  EMAIL : WORCESTERT@MAR.DFO-MPO.GC.CA</p> <p>-----ORIGINAL MESSAGE-----  FROM: ROSE, TAMMY LEE ANNE  SENT: JUNE 2, 2004 2:12 PM  TO: HARRIS, LEI E  CC: ZAMORA, PHIL; POTTER, TED; PENNEY-FERGUSON, MARCI; WORCESTER, TANA; GALANTE, ROSALIA; PWGSC  SUBJECT: RE: TIVERTON -BLASTING AND THE EFFECTS ON MARINE MAMMALS  IMPORTANCE: HIGH</p> <p>HI LEI,</p> <p>AS PER OUR TELEPHONE CONVERSATION ON MAY 31ST, 2004, I AM REVIEWING A PROJECT WHEREBY SMALL CRAFT HARBOURS HAS PROPOSED TO DEVELOP A HARBOUR IN TIVERTON, PETIT PASSAGE, DIGBY COUNTY, NOVA SCOTIA. THE PROJECT WILL INCLUDE BLASTING IN THE INTERTIDAL ZONE DURING PHASE 1 OF THIS PROJECT FOR THE ENTIRE MONTH OF JUNE. FOR MORE INFORMATION CONCERNING THE PROJECT, I HAVE ATTACHED THE ENVIRONMENTAL SCREENING FOR HARBOUR DEVELOPMENT (BREAKWATER, FLOATING DOCKS, DREDGING, AND SERVICE AREA) AT TIVERTON, DIGBY COUNTY, NOVA SCOTIA. YOU MAY READ THE ENTIRE DOCUMENT BUT I WOULD SUGGEST REFERING TO THE FOLLOWING SECTIONS FOR INFORMATION CONCERNING THIS PROJECT:</p> <ol style="list-style-type: none"> <li>1. COMPONENTS OF THE PROJECT (PAGE 4)</li> <li>2. DESCRIPTION OF NATURAL AREAS (PAGE 7)</li> <li>3. USE OF EXPLOSIVES (PAGE 16)</li> </ol> <p>BASED ON THE PROJECT PLANS AND THE OCCURRENCE OF MARINE MAMMALS IN THE BAY OF FUNDY, I AM WONDERING IF YOU ARE AWARE OF ANY MARINE MAMMALS THAT MAY BE SIGNIFICANTLY ADVERSELY AFFECTED IN OR NEAR PETIT PASSAGE BY THE BLASTING ACTIVITIES PLANNED TO TAKE PLACE DURING THIS TIME FRAME (JUNE 1ST TO JUNE 30TH)? COULD YOU PLEASE RESPOND TO MY REQUEST BY FRIDAY, JUNE 4, 2004.</p> <p>IF YOU HAVE ANY QUESTIONS CONCERNING MY REQUEST OR IF YOU HAVE A PROBLEM WITH THE TIMELINE ASSOCIATED WITH MY REQUEST PLEASE FEEL FREE TO CONTACT ME VIA THE INFORMATION BELOW. I APPRECIATE YOUR ASSISTANCE WITH THIS MATTER.</p> <p>THANKS,  TAMMY</p>	<p>June 23, 2004</p>	<p>Rose, Tammy</p>
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