	a person is not required to respond to, a	OMB APPROVED
collection of information unless it displays a valid OMB control number. The valid OMB control nu )579-0036. The time required to complete this information collection is estimated to average .5 h evidewing instructions, searching existing data sources, gathering and maintaining the data need	nours per response, including the time for	0579-0036 Interagency Report Control No. 0180-DOA-AN
collection of information.		Fiscal year: 2022
UNITED STATES DEPA ANIMAL AND PLANT HE		ULTURE
Annual Report	of Research Facil	lity
Column I	E Explanation	
This information is required by law (7 U.S.C. 2143 and 9 C.F.R. §2.	PE OR PRINT) 	ng to the regulations can result in an order to
1. REGISTRATION NUMBER		ity Headquarters address
	NCCCWA	
54-G-0001	11861 Leetown Rd Kearneysville, WV 254	130
3. Number of animals used in the study.	4. Species (comm the study.	non name) of animals used in
15,247	rainbow trout	
6. Provide the scientific justification for not p or tranquilizing drugs during procedures wh distress greater than momentary or slight. Accomplishment of the research goals requires the diseas anesthetics, analgesics, and tranquilizers on disease resis the normal course of disease progression and host respon periods.	ere the animal expe se to progress naturally wi stance mechanisms are u	rienced accompanying pain or ithout interference. The effects of nresolved and may have interfered with
or tranquilizing drugs during procedures wh distress greater than momentary or slight. Accomplishment of the research goals requires the diseas anesthetics, analgesics, and tranquilizers on disease resis the normal course of disease progression and host respon	se to progress naturally wistance mechanisms are unnse, and thus could not be his procedure? Cite	rienced accompanying pain or ithout interference. The effects of nresolved and may have interfered with a used in these studies for long-term the agency, the Code of

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and collection of information unless it displays a valid OMB control number. The valid OMB control n	a person is not required to respond to, a umber for this information collection is	OMB APPROVED 0579-0036
0579-0036. The time required to complete this information collection is estimated to average 5 reviewing instructions, searching existing data sources, gathering and maintaining the data new collection of information.	hours per response, including the time for	Interagency Report Control No. 0180-DOA-AN
		Fiscal year: 2022
Column		SERVICE
This information is required by law (7 U.S.C. 2143 and 9 C.F.R. §2		g to the regulations can result in an order to
1. REGISTRATION NUMBER	2. Research Facil	ity Headquarters address
54-G-0001	11861 Leetown Rd Kearneysville, WV 254	30
3. Number of animals used in the study.	the study.	non name) of animals used in
84	rainbow trout	
5. Explain the procedure producing pain and According to study objectives, fish were exposed to acute		
According to study objectives, fish were exposed to acute	hypoxia conditions.	
<ul> <li>According to study objectives, fish were exposed to acute</li> <li>6. Provide the scientific justification for not or tranquilizing drugs during procedures whe distress greater than momentary or slight.</li> <li>Accomplishment of the research goals requires the hypox analgesics, and tranquilizers are expected to affect hypox</li> </ul>	hypoxia conditions. providing the approp ere the animal exper tic response to occur natur	rienced accompanying pain or ally without interference. Anesthetics, isms of oxygen consumption and likely
According to study objectives, fish were exposed to acute 6. Provide the scientific justification for not or tranquilizing drugs during procedures wh distress greater than momentary or slight. Accomplishment of the research goals requires the hypox analgesics, and tranquilizers are expected to affect hypox interfere with the normal course of hypoxia response, and 7. What, if any, Federal regulations require t Federal Regulations (CFR) title number, and	hypoxia conditions. providing the approp here the animal exper kic response to occur natur kia resistance and mechani I thus could not be used in his procedure? Cite f	rienced accompanying pain or ally without interference. Anesthetics, isms of oxygen consumption and likely these studies. the agency, the Code of
<ul> <li>According to study objectives, fish were exposed to acute</li> <li>6. Provide the scientific justification for not or tranquilizing drugs during procedures whe distress greater than momentary or slight.</li> <li>Accomplishment of the research goals requires the hypoxanalgesics, and tranquilizers are expected to affect hypoxinterfere with the normal course of hypoxia response, and</li> <li>7. What, if any, Federal regulations require t Federal Regulations (CFR) title number, and 113, 102):</li> </ul>	hypoxia conditions. providing the approp here the animal exper kic response to occur natur kia resistance and mechani I thus could not be used in his procedure? Cite f	rienced accompanying pain or ally without interference. Anesthetics, isms of oxygen consumption and likely these studies. the agency, the Code of
According to study objectives, fish were exposed to acute 6. Provide the scientific justification for not or tranquilizing drugs during procedures wh distress greater than momentary or slight. Accomplishment of the research goals requires the hypox analgesics, and tranquilizers are expected to affect hypox interfere with the normal course of hypoxia response, and 7. What, if any, Federal regulations require t Federal Regulations (CFR) title number, and	hypoxia conditions. providing the approp here the animal exper kic response to occur natur kia resistance and mechani I thus could not be used in his procedure? Cite f	rienced accompanying pain or ally without interference. Anesthetics, isms of oxygen consumption and likely these studies. the agency, the Code of

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, collection of information unless it displays a valid OMB control number. The valid OMB control		OMB APPROVED
D579-0038. The time required to complete this information collection is estimated to average reviewing instructions, searching existing data sources, gathering and maintaining the data r	.5 hours per response, including the time for	0579-0036 Interagency Report Control No. 0180-DOA-AN
collection of information.		Fiscal year: 2022
ANIMAL AND PLANT	PARTMENT OF AGRIC HEALTH INSPECTION	ULTURE SERVICE
	TYPE OR PRINT)	
This Information is required by law (7 U.S.C. 2143 and 9 C.F.R.	§2.36). Failure to report accordinesse and desist.	ng to the regulations can result in an order to
1. REGISTRATION NUMBER	NCCCWA	lity Headquarters address
54-G-0001	11861 Leetown Rd Kearneysville, WV 254	430
3. Number of animals used in the study.	4. Species (comm the study. Rainbow trout	non name) of animals used in
4,626	Rambow trout	
5. Explain the procedure producing pain an According to study objectives, fish must be infected with cold water disease		ilum, the causative agent of bacterial
According to study objectives, fish must be infected with cold water disease	n Flavobacterium psychroph	
According to study objectives, fish must be infected with cold water disease 6. Provide the scientific justification for no or tranquilizing drugs during procedures v	The Flavobacterium psychroph	priate anesthetics, analgesics,
According to study objectives, fish must be infected with cold water disease 6. Provide the scientific justification for no	The Flavobacterium psychroph t providing the appropy where the animal expe ease to progress naturally we esistance mechanisms are u	priate anesthetics, analgesics, rienced accompanying pain or ithout interference. The effects of nresolved and may have interfered with
According to study objectives, fish must be infected with cold water disease 6. Provide the scientific justification for no or tranquilizing drugs during procedures v distress greater than momentary or slight. Accomplishment of the research goals requires the dise anesthetics, analgesics, and tranquilizers on disease re the normal course of disease progression and host resp	The Flavobacterium psychroph t providing the appropy where the animal expenses to progress naturally we ease to progress naturally we esistance mechanisms are up ponse, and thus could not be	priate anesthetics, analgesics, rienced accompanying pain or ithout interference. The effects of nresolved and may have interfered with e used in these studies for long-term the agency, the Code of
According to study objectives, fish must be infected with cold water disease 6. Provide the scientific justification for no or tranquilizing drugs during procedures v distress greater than momentary or slight. Accomplishment of the research goals requires the dise anesthetics, analgesics, and tranquilizers on disease re the normal course of disease progression and host resp periods. 7. What, if any, Federal regulations require Federal Regulations (CFR) title number, ar	The Flavobacterium psychroph t providing the appropy where the animal expenses to progress naturally we ease to progress naturally we esistance mechanisms are up ponse, and thus could not be	priate anesthetics, analgesics, rienced accompanying pain or ithout interference. The effects of nresolved and may have interfered with e used in these studies for long-term the agency, the Code of

According to the Paperwork Reduction Act of 1995, an agency may not contuct or sponsor, and a p collection of information unless it displays a valid OMB control number. The valid OMB control numb	er for this information collection is		PPROVED 9-0036
0579-0036. The time required to complete this information collection is estimated to average. 5 hour reviewing instructions, searching existing data sources, gathering and maintaining the data needed, collection of information.	and completing and reviewing the	Interagency Report Control No. 0180-DOA-AN	
		Fiscal year:	2022
	LTH INSPECTION	SERVICE	
This information is required by law (7 U.S.C. 2143 and 9 C.F.R. §2.36 cease a	. Failure to report accordin nd desist.	g to the regulations ca	an result in an order to
1. REGISTRATION NUMBER	2. Research Facil	ity Headquarte	rs address
54-G-0001	NCCCWA 11861 Leetown Rd Kearneysville, WV 254	30	
3. Number of animals used in the study.	4. Species (comm	non name) of ar	nimals used in
86	the study. Atlantic salmon		
5. Explain the procedure producing pain and d	istress.		
According to study objectives, fish must be infected with Vib		rioto apostboti	
6. Provide the scientific justification for not pro or tranquilizing drugs during procedures wher distress greater than momentary or slight.			
Accomplishment of the research goals requires the disease anesthetics, analgesics, and tranquilizers on disease resista the normal course of disease progression and host response periods.	nce mechanisms are un	resolved and may l	have interfered with
7. What, if any, Federal regulations require this Federal Regulations (CFR) title number, and th 113, 102):	•		
N/A			
Agency		CFR	
L		<u> </u>	

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, an collection of information unless it displays a valid OMB control number. The valid OMB control	number for this information conection is		PPROVED 9-0036
1579-0036. The time required to complete this information collection is estimated to average .5 eviewing Instructions, searching existing data sources, gathering and maintaining the data new	hours per response, including the time for	Interagency Report Control N	o. 0180-DOA-AN
collection of information.		Fiscal year:	2022
Column		SERVICE	
This information is required by law (7 U.S.C. 2143 and 9 C.F.R. §	2.36). Failure to report accordings and desist.	ng to the regulations c	an result in an order to
1. REGISTRATION NUMBER	2. Research Faci	lity Headquarte	ers address
54-G-0001	11861 Leetown Rd Kearneysville, WV 254	430	
3. Number of animals used in the study.	4. Species (comr the study. rainbow trout	non name) of a	nimals used in
5	rainbow trout		
5. Explain the procedure producing pain an According to study objectives, fish must be infected with	<b>d distress.</b> Weissella ceti.		
According to study objectives, fish must be infected with 6. Provide the scientific justification for not or tranquilizing drugs during procedures w distress greater than momentary or slight. Accomplishment of the research goals requires the dise	Weissella ceti. t providing the appro there the animal expension sistance mechanisms are u	rithout interference.	The effects of have interfered with
According to study objectives, fish must be infected with 6. Provide the scientific justification for not or tranquilizing drugs during procedures w distress greater than momentary or slight.	Weissella ceti. <b>providing the appro</b> <b>there the animal expe</b> ase to progress naturally we sistance mechanisms are un sonse, and thus could not be this procedure? Cite	rienced accom intresolved and may e used in these stu	The effects of have interfered with dies for long-term
<ul> <li>According to study objectives, fish must be infected with</li> <li>6. Provide the scientific justification for not or tranquilizing drugs during procedures w distress greater than momentary or slight. Accomplishment of the research goals requires the dise anesthetics, analgesics, and tranquilizers on disease re the normal course of disease progression and host resp periods.</li> <li>7. What, if any, Federal regulations require Federal Regulations (CFR) title number, an</li> </ul>	Weissella ceti. <b>providing the appro</b> <b>there the animal expe</b> ase to progress naturally we sistance mechanisms are un sonse, and thus could not be this procedure? Cite	rienced accom intresolved and may e used in these stu	The effects of have interfered with dies for long-term

0579-0036. The time required to complete this information collection is estimated to average	and a person is not required to respond to, a of number for this information collection is		PPROVED 9-0036
-20036, The time required to complete this information collection is estimated to average is nours per response, including the time ro- wing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the ction of information.		Interagency Report Control N	0. 0180-DOA-AN
		Fiscal year:	2022
ANIMAL AND PLANT F Annual Repor Column	t of Research Facil E Explanation	SERVICE	
This information is required by law (7 U.S.C. 2143 and 9 C.F.R.	TYPE OR PRINT)  §2.36). Failure to report accordin	ig to the regulations ca	an result in an order to
Ce	ease and desist.		
1. REGISTRATION NUMBER	2. Research Facil NCCCWA	ity Headquarte	rs address
54-G-0001	11861 Leetown Rd Kearneysville, WV 254	130	
3. Number of animals used in the study.	4. Species (comn the study.	non name) of a	nimals used in
408	rainbow trout		
	ersinia ruckeri, the causative		
• • •			
6. Provide the scientific justification for no or tranquilizing drugs during procedures w distress greater than momentary or slight.	t providing the approp where the animal expe	oriate anestheti rienced accom	cs, analgesics, panying pain or
6. Provide the scientific justification for no or tranquilizing drugs during procedures w	t providing the approp where the animal expension ease to progress naturally with esistance mechanisms are up	priate anestheti rienced accom thout interference.	<b>cs, analgesics,</b> p <b>anying pain or</b> The effects of have interfered with
<ul> <li>6. Provide the scientific justification for no or tranquilizing drugs during procedures we distress greater than momentary or slight. Accomplishment of the research goals requires the dise anesthetics, analgesics, and tranquilizers on disease ret the normal course of disease progression and host resp periods.</li> <li>7. What, if any, Federal regulations required</li> </ul>	t providing the approp where the animal expenses to progress naturally wite sistance mechanisms are un bonse, and thus could not be	thout interference. nresolved and may used in these stuc	cs, analgesics, panying pain or The effects of have interfered with lies for long-term
6. Provide the scientific justification for no or tranquilizing drugs during procedures w distress greater than momentary or slight. Accomplishment of the research goals requires the dise anesthetics, analgesics, and tranquilizers on disease re the normal course of disease progression and host resp periods.	t providing the approp where the animal expenses to progress naturally wite sistance mechanisms are un bonse, and thus could not be	thout interference. nresolved and may used in these stuc	cs, analgesics, panying pain or The effects of have interfered with lies for long-term
<ul> <li>6. Provide the scientific justification for no or tranquilizing drugs during procedures we distress greater than momentary or slight. Accomplishment of the research goals requires the dise anesthetics, analgesics, and tranquilizers on disease ret the normal course of disease progression and host respectives.</li> <li>7. What, if any, Federal regulations require Federal Regulations (CFR) title number, ar</li> </ul>	t providing the approp where the animal expenses to progress naturally wite sistance mechanisms are un bonse, and thus could not be	thout interference. nresolved and may used in these stuc	cs, analgesics, panying pain or The effects of have interfered with lies for long-term