ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 01 / 03

Load # 365 Start 0410 End 0449 Dump 0742

Location (lat/long, stations) stn: 85+00 to 145+00 Tide Stage -0.5

Weather (wind dir, beaufort, sea state, temp, etc.) _____

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead ok Deflector _____

Port Inflow, Fore plastic, wood, rope Mid _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow~~, Fore _____ Mid _____

~~Stbd Inflow~~, Aft _____

Port ~~Overflow, Primary~~ _____ Secondary _____

~~Stbd Overflow, Primary~~ _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Screens checked after load was dumped -

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 01 / 03

Load # 366 Start 1048 End 1131 Dump 1434

Location (lat/long, stations) STN: 85+00 / 145+00 Tide Stage 0.6

Weather (wind dir, beaufort, sea state, temp, etc.) sunny, clear & calm wind & seas

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES **NO**

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead ok Deflector _____

Port Inflow, Fore plastic, rope, wood debris Mid _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ Mid _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ Secondary _____

~~Stbd Overflow, Primary~~ _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Mary Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 02 / 03

Load # 369 Start 1225 End 1305 Dump 1601

Location (lat/long, stations) STN: 85+00 to 145+00 Tide Stage 0.3

Weather (wind dir, beaufort, sea state, temp, etc.) wind SSE @ 5-10kts; clear & calm

Water Temp., Surface 68°F Below Mid-Depth 68°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead all Deflector

Port Inflow, Fore rope, wood debris Mid

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ Mid

~~Stbd Inflow, Aft~~

Port ~~Overflow~~, Primary Secondary

~~Stbd Overflow, Primary~~ Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Tursiops truncatus	2	1500 - ~~upper~~ lower channel in route to disposal area

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04/03/03

Load # 372 Start 0900 End 1156 Dump 1454

Location (lat/long, stations) stn. 85+00 to 145+00 (upper channel) Tide Stage 0.9

Weather (wind dir, beaufort, sea state, temp, etc.) wind SE 10-15 kts; seas 2-3' (lower channel); pt. cloudy Water Temp., Surface 68°F Below Mid-Depth 67°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore wood debris Mid _____

~~Port Inflow, Aft~~ _____

Stbd Inflow, Fore _____ Mid _____

~~Stbd Inflow, Aft~~ _____

Port Overflow, Primary _____ Secondary _____

~~Stbd Overflow, Primary~~ _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
~~_____~~		

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04/03/03

Load # 373 Start 1744 End 1827 Dump 206

Location (lat/long, stations) STN. 240+00 to 300+00 Tide Stage —

Weather (wind dir, beaufort, sea state, temp, etc.) WindESE 10-15kts; pt cloudy; Sea 1-2'

Water Temp., Surface 68° F Below Mid-Depth 68°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead ok Deflector _____

Port Inflow, Fore ok Mid _____

Port ~~Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ Mid _____

~~Stbd Inflow, Aft~~ _____

Port ~~Overflow, Primary~~ _____ Secondary _____

~~Stbd Overflow, Primary~~ _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
X		

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 04 / 03

Load # 375 Start 0558 End 0643 Dump 0932

Location (lat/long, stations) stn: 240+00 to 500+00 Tide Stage 1.2

Weather (wind dir, beaufort, sea state, temp, etc.) wind SSE @ 15kts; bay - light chop; offshore 3-4' seas; overcast Water Temp., Surface 66°F Below Mid-Depth 66°F

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK Mid _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ Mid _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ Secondary _____

~~Stbd Overflow, Primary~~ _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 04 / 03

Load # 376 Start 1216 End 1256 Dump 1539

Location (lat/long, stations) STN: 260+00 to 300+00 Tide Stage 1-2

Weather (wind dir, beaufort, sea state, temp, etc.) Wind SSE 10-15 kts; Seas 2-3'; pt cloudy

Water Temp., Surface 67°F Below Mid-Depth 66°F

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK Mid _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ Mid _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ Secondary _____

Stbd ~~Overflow, Primary~~ _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
0		

Observer(s) on duty M Hunt

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 05 / 03

Load # 378 Start 0308 End 0345 Dump 0705

Location (lat/long, stations) Stn 240+00 to 300+00 Tide Stage 0.2

Weather (wind dir, beaufort, sea state, temp, etc.) Wind 8 Seas Calm W Fog

Water Temp., Surface 67°F Below Mid-Depth 67°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead ok Deflector _____

Port Inflow, Fore ok Mid _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ Mid _____

~~Stbd Inflow, Aft~~ _____

Port ~~Overflow, Primary~~ _____ Secondary _____

~~Stbd Overflow, Primary~~ _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 05 / 03

Load # 380 Start 1620 End 1657 Dump 1935

Location (lat/long, stations) STN: 240+00 to 300+00 Tide Stage 0.9

Weather (wind dir, beaufort, sea state, temp, etc.) calm wind & seas, cloudy sky, (heavy fog in transit to dump) Water Temp., Surface 68°F Below Mid-Depth 67°F

Are there incidents involving endangered or protected species? **YES** **(NO)**

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK Mid _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ Mid _____

~~Stbd Inflow, Aft~~ _____

Port ~~Overflow, Primary~~ _____ Secondary _____

~~Stbd Overflow, Primary~~ _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
~~0~~		

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 06 / 03

Load # 382 Start 0653 End 0729 Dump 1045

Location (lat/long, stations) stN: 240+00 to 300+00 Tide Stage 0.3

Weather (wind dir, beaufort, sea state, temp, etc.) calm, heavy fog

Water Temp., Surface 67°F Below Mid-Depth 66°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead ok Deflector _____

Port Inflow, Fore plastic, wood debris Mid _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow,~~ Fore _____ Mid _____

Stbd Inflow, Aft _____

~~Port Overflow, Primary~~ _____ Secondary _____

~~Stbd Overflow, Primary~~ _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 06 / 03

Load # 383 Start 1318 End 1403 Dump 1651

Location (lat/long, stations) STN: 240+00 to 300+00 Tide Stage 1.5

Weather (wind dir, beaufort, sea state, temp, etc.) fog cleared; sunny; wind SE 15 kts; seas 2-3' chop Water Temp., Surface 67°F Below Mid-Depth 67°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK Mid _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow~~, Fore _____ Mid _____

~~Stbd Inflow~~, Aft _____

~~Port Overflow~~, Primary _____ Secondary _____

Stbd ~~Overflow~~, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 07 / 05

Load # 386 Start 0821 End 0859 Dump ~~0947~~ 1146

Location (lat/long, stations) STN: 240+00 to 300+00 Tide Stage 0.9

Weather (wind dir, beaufort, sea state, temp, etc.) wind SSE 15-20kts; pt. cloudy; Off shore 4' swell; calm at dump site Water Temp., Surface 67°F Below Mid-Depth 67°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK Mid _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ Mid _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow~~, Primary _____ Secondary _____

~~Stbd Overflow, Primary~~ _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	2	1210 (near #6 buoy) on return from dump site

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 07 / 03

Load # 387 Start 1427 End 1504 Dump 1756

Location (lat/long, stations) Stn: 240+00 to 300+00 Tide Stage 1.7

Weather (wind dir, beaufort, sea state, temp, etc.) Wind SSE @ 15-20 kts; pt cloudy; offshore 3-4' seas; Calm inshore Water Temp., Surface 68°F Below Mid-Depth 67°F

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK Mid _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ Mid _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ Secondary _____

~~Stbd Overflow, Primary~~ _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04/08/03

Load # 390 Start 1024 End 1103 Dump 1356

Location (lat/long, stations) STN: 240+00 to 300+00 Tide Stage 0.5

Weather (wind dir, beaufort, sea state, temp, etc.) cloudy w/ rain, wind E 10-15kts; Seas 2-3' Water Temp., Surface 67°F Below Mid-Depth 67°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK Mid _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ Mid _____

~~Stbd Inflow, Aft~~ _____

Port ~~Overflow, Primary~~ _____ Secondary _____

~~Stbd Overflow, Primary~~ _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
~~_____~~	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04/08/03

Load # 391 Start 1652 End 1727 Dump 2007

Location (lat/long, stations) STN: 240+00 TO 300+00 Tide Stage 1.4

Weather (wind dir, beaufort, sea state, temp, etc.) RAIN, VARIABLE WIND

SEAS 2-3' Water Temp., Surface 68°F Below Mid-Depth 67°F

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK Mid _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ Mid _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ Secondary _____

~~Stbd Overflow, Primary~~ _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 09 / 03

Load # 393 Start 0532 End 0612 Dump 0909

Location (lat/long, stations) STW: 240+00 TO 300+00 Tide Stage -1.4

Weather (wind dir, beaufort, sea state, temp, etc.) PARTLY CLOUDY, WIND WEST @ 20 KTS, SEAS 2-4' Water Temp., Surface 68°F Below Mid-Depth 67.5°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore wood debris Mid _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ Mid _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ Secondary _____

~~Stbd Overflow, Primary~~ _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
~~_____~~		
_____		
_____		

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04/09/03

Load # 394 Start 1153 End 1228 Dump 1518

Location (lat/long, stations) stW: 240+00 to 300+00 Tide Stage Ø

Weather (wind dir, beaufort, sea state, temp, etc.) CLOUDY; WIND West @25-35KTS; SEAS 2-4' choppy Water Temp., Surface 68°F Below Mid-Depth 67°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead ok Deflector _____

Port Inflow, Fore ok ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
X		

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 10 / 03

Load # 397 Start 0647 End 0720 Dump 1020

Location (lat/long, stations) Stn: 240+00 TO 300+00 Tide Stage - 1.7

Weather (wind dir, beaufort, sea state, temp, etc.) PT cloudy; wind WNW 20-25KTS; seas 2-4'

Water Temp., Surface 68°F Below Mid-Depth 67°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
~~_____~~	_____	_____
_____	_____	_____
_____	_____	_____

Observer(s) on duty M Hunt

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 10 / 03

Load # 398 Start 1306 End 1340 Dump 1642

Location (lat/long, stations) STW: 240+00 to 300+00 Tide Stage 3.9

Weather (wind dir, beaufort, sea state, temp, etc.) Wind NW @ 25kts; seas 2-3' chop; sunny Water Temp., Surface 68°F Below Mid-Depth 67°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead oh Deflector _____

Port Inflow, Fore wood debris ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Titruncatus	1	1700 - following dredge as returning from disposal site

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 11 / 03

Load # 401 Start 0910 End 0942 Dump 1246

Location (lat/long, stations) stN: 240+00 to 300+00 Tide Stage -0.5

Weather (wind dir, beaufort, sea state, temp, etc.) Wind 8 Seas calm, sunny

Water Temp., Surface 64°F Below Mid-Depth 64°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead 9K Deflector _____

Port Inflow, Fore small amt. of rope & wire ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
(0)		

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 6/11/03

Load # 402 Start 1552 End 1633 Dump 1928

Location (lat/long, stations) STN: 240+00 to 300+00 Tide Stage 0-9

Weather (wind dir, beaufort, sea state, temp, etc.) Calm wind & sea, sunny

Water Temp., Surface 65°F Below Mid-Depth 65°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead ok Deflector

Port Inflow, Fore ok ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 12 / 03

Load # 404 Start 0420 End 0452 Dump 0745

Location (lat/long, stations) STN: 240+00 to 200+00 Tide Stage -0.5

Weather (wind dir, beaufort, sea state, temp, etc.) Wind NW @ 5 kts; seas calm; sunny

Water Temp., Surface 65° F Below Mid-Depth 65° F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead on Deflector _____

Port Inflow, Fore on ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty In Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 12 / 03

Load # 406 Start 1637 End 1720 Dump 2010

Location (lat/long, stations) stN: 240+00 to 300+00 Tide Stage 1-2

Weather (wind dir, beaufort, sea state, temp, etc.) Wind WSW 5-10 kts, seas 1-2', sunny Water Temp., Surface 66°F Below Mid-Depth 65°F

Are there incidents involving endangered or protected species? **YES** **(NO)**

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
X		

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 13 / 03

Load # 408 Start 0517 End 0555 Dump 0837

Location (lat/long, stations) STN: 270+00 TO 300+00 Tide Stage Q

Weather (wind dir, beaufort, sea state, temp, etc.) clear & calm sky & sea

Water Temp., Surface 65°F Below Mid-Depth 65°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead OK Deflector

Port Inflow, Fore wood debris ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
X		

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 13 / 03

Load # 409 Start 1121 End 1203 Dump 1453

Location (lat/long, stations) STN: 270+00 to 300+00 Tide Stage 0.2

Weather (wind dir, beaufort, sea state, temp, etc.) Clear Beaufort Sea 6 Sky

Water Temp., Surface 66°F Below Mid-Depth 65°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore alum. can ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty MHart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 14 / 05

Load # 412 Start 1636 End 1714 Dump 2001

Location (lat/long, stations) stw: 240+00 - 300+00 Tide Stage 0.2

Weather (wind dir, beaufort, sea state, temp, etc.) wind SSE @ 10-15kts, seas 1-2'; sunny, haze on horizon Water Temp., Surface 64° F Below Mid-Depth 64° F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore metal debris ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04/15/03

Load # 413 Start 2246 End 2400 Dump 0303

Location (lat/long, stations) stn: 240+00 to 300+00 Tide Stage 0.3

Weather (wind dir, beaufort, sea state, temp, etc.) wind SE 5-10 kts, sea calm, clear sky Water Temp., Surface 64°F Below Mid-Depth 64°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04/15/03

Load # 414 Start 0600 End 0638 Dump 0922

Location (lat/long, stations) Stn: 240+00 to 300+00 Tide Stage -0.3

Weather (wind dir, beaufort, sea state, temp, etc.) wind & sea calm; fog

Water Temp., Surface 64°F Below Mid-Depth 64°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	1	0925 - At disposal site

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 16 / 03

Load # 419 Start 1243 End 1327 Dump 1605

Location (lat/long, stations) stw: 240+00 to 300+00 Tide Stage 1.2

Weather (wind dir, beaufort, sea state, temp, etc.) wind SSE @ 10-15kts; seas 1-3'; pt cloudy, sunny

Water Temp., Surface 64°F Below Mid-Depth 64°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead OK Deflector

Port Inflow, Fore Wood debris, plastic ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04/16/03

Load # 420 Start 1911 End 1919 Dump 2230

Location (lat/long, stations) STN: 240+00 to 300+00 Tide Stage 0-3

Weather (wind dir, beaufort, sea state, temp, etc.) wind SSE @ 10-15kts, seas 1-2', pt cloudy Water Temp., Surface 65°F Below Mid-Depth 65°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead rope Deflector _____

Port Inflow, Fore ole ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
~~0~~		

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 17 / 03

Load # 422 Start 0729 End 0805 Dump 1055

Location (lat/long, stations) STN: 240+00 to 300+00 Tide Stage 0.9

Weather (wind dir, beaufort, sea state, temp, etc.) wind SEC 15-20kts; seas 2-3'. cloudy sky Water Temp., Surface 64°F Below Mid-Depth 64°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty MHart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 17 / 03

Load # 423 Start 1327 End 1404 Dump 1639

Location (lat/long, stations) Stn: 360+00 to 420+00 Tide Stage 1.7

Weather (wind dir, beaufort, sea state, temp, etc.) Wind SE @ 10-15kts; Seas 2-3'; pt cloudy Water Temp., Surface 68°F Below Mid-Depth 67°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	1	1515 / - dredge headed to disposal site near #42
T. truncatus	4	1720 / En route from disposal site to dredging area near lighthouse buoys #11 & 12

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04/18/03

Load # 426 Start 0742 End 0821 Dump 1059

Location (lat/long, stations) STN: 360+00 TO 420+00 Tide Stage 0.5

Weather (wind dir, beaufort, sea state, temp, etc.) WIND NE@ 5-10 kts; seas 1-2'; clear sky Water Temp., Surface 68°F Below Mid-Depth 67°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore auto part (generator/alternator)

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. tursiops	6	1020 / NW buoys #18
T. tursiops	10-15	1035 / 6/N #11-9 (in school)

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 18 / 03

Load # 427 Start 1347 End 1425 Dump 1654

Location (lat/long, stations) SN: 360+00 to 420+00 Tide Stage 1-4

Weather (wind dir, beaufort, sea state, temp, etc.) wind SW @ 10 kts; sea 1-2'; pt cloudy

Water Temp., Surface 68°F Below Mid-Depth 68°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
0		

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 19 / 03

Load # 430 Start 0805 End 0839 Dump 1121

Location (lat/long, stations) STN: 360+00 to 400+00 Tide Stage 0.8

Weather (wind dir, beaufort, sea state, temp, etc.) WIND SE 5-10 kts; Seas 1-2'; pt cloudy

Water Temp., Surface 68°F Below Mid-Depth 67°F

Are there incidents involving endangered or protected species? YES **NO**

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead OK Deflector

Port Inflow, Fore wood debris ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
X		

Observer(s) on duty MHart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04, 19, 03

Load # 431 Start 1402 End 1442 Dump 1711

Location (lat/long, stations) SFW: 360+00 TO 400+00 Tide Stage 1.8

Weather (wind dir, beaufort, sea state, temp, etc.) WIND E @ 10-15 kts; seas 2-3'; pt cloudy

Water Temp., Surface 68°F Below Mid-Depth 68°F

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore wood debris, radio, wire fish line/rope

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 20 / 03

Load # 434 Start 0752 End 0827 Dump 1111

Location (lat/long, stations) stn: 360+00 to 420+00 Tide Stage 0-3

Weather (wind dir, beaufort, sea state, temp, etc.) wind SSE@10-15kts; Seas 2-3'; ptcldy

Water Temp., Surface 69°F Below Mid-Depth 68°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead OK Deflector

Port Inflow, Fore OK ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
X		

Observer(s) on duty MHart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 20 / 03

Load # 435 Start 1341 End 1422 Dump 1700

Location (lat/long, stations) STN: 360+00 to 420+00 Tide Stage 1.8

Weather (wind dir, beaufort, sea state, temp, etc.) Wind ESSE 10-15 kts, seas 1-3', pt cloudy

Water Temp., Surface 70°F Below Mid-Depth 69°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore glove, rope ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
0		

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 20 / 03

Load # 436 Start 1949 End 2025 Dump 2257

Location (lat/long, stations) STN: 360+00 TO 420+00 Tide Stage 0.7

Weather (wind dir, beaufort, sea state, temp, etc.) SSE WIND @ 10-15 KTS; SEAS 1-2'; PT CLOUDY

Water Temp., Surface 70° F Below Mid-Depth 70° F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore clay, wood, clothing, plastic, wire, rope

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
~~0~~		

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 21 / 03

Load # 437 Start 0143 End 0222 Dump 0457

Location (lat/long, stations) STN: 360+00 to 420+00 Tide Stage -0.5

Weather (wind dir, beaufort, sea state, temp, etc.) SE wind @ 5-0kts; seas 1-3'; cloudy

Water Temp., Surface 69°F Below Mid-Depth 69°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04/21/03

Load # 438 Start 0755 End 0810 Dump 1056

Location (lat/long, stations) stN: 360+00 to 420+00 Tide Stage 0-6

Weather (wind dir, beaufort, sea state, temp, etc.) wind W@ 5-15kts; cloudy w/ rain; seas 1-2'

Water Temp., Surface 70°F Below Mid-Depth 70°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore wire rope ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
(X)		

Observer(s) on duty M Hart

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 22 / 03

Load # 442 Start 0719 End 0754 Dump 1045-1054

Location (lat/long, stations) STW: 360+00 to 420+00 Tide Stage 0.9

Weather (wind dir, beaufort, sea state, temp, etc.) Seas calm <1', wind 5-10 Knts, P/C sky

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty K. Kopitsky

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04/22/03

Load # 443 Start 1325 End 1403 Dump 1649 - 1653

Location (lat/long, stations) STW: 360+00 to 420+00 Tide Stage 0.9

Weather (wind dir, beaufort, sea state, temp, etc.) Clear, WIND 5-10Kts, seas calm

Water Temp., Surface 72.0°F Below Mid-Depth 72.0°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead OK Deflector

Port Inflow, Fore OK ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty K. Kapitsky

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 23 / 03

Load # 4416 Start 0742 End 0824 Dump 1122 1126

Location (lat/long, stations) 360+00 to 420+00 Tide Stage 0.4

Weather (wind dir, beaufort, sea state, temp, etc.) Clear, Wind SE 5-10Kts, Seas <1'

Water Temp., Surface 73.0F Below Mid-Depth 72.0F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty K. Kopitsky

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04/23/03

Load # 447 Start 1610 End 1613 Dump 1854-1858

Location (lat/long, stations) STW: 360+00 to 420+00 Tide Stage 0.7

Weather (wind dir, beaufort, sea state, temp, etc.) Clear, wind 10-15KNTS, seas <1'

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ Secondary _____

~~Stbd Overflow, Primary~~ NO OVERFLOW Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty K. Kapitsky

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 24 / 03

Load # 449 Start 0400 End 0440 Dump 0719-0723

Location (lat/long, stations) STW: 360+00 TO 420+00 Tide Stage .2

Weather (wind dir, beaufort, sea state, temp, etc.) WIND 5-10KNTS, SEAS < 1', P/C

Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore _____ ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty K. Kopitsky

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 24 / 03

Load # 450 Start 0958 End 1033 Dump 1327 - 1331

Location (lat/long, stations) STW 360+00 to 420+00 Tide Stage 0.2

Weather (wind dir, beaufort, sea state, temp, etc.) Overcast, WIND 15-20 KNTS, seas 2-3'

Water Temp., Surface 71.0°F Below Mid-Depth 70-71°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead OK Deflector

Port Inflow, Fore OK ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty K. Kapitsky

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 25 / 03

Load # 453 Start 0503 End 0537 Dump 0822-0826

Location (lat/long, stations) STW: 360100 to 420100 Tide Stage 0.6

Weather (wind dir, beaufort, sea state, temp, etc.) OVERCAST, WIND 10-15 KNTS, SEAS 1-2'

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead OK Deflector

Port Inflow, Fore OK ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty K. Kopitsky

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 25 / 03

Load # 454 Start 1100 End 1135 Dump 1431 - 1435

Location (lat/long, stations) STW 360+00 to 420+00 Tide Stage 0.9

Weather (wind dir, beaufort, sea state, temp, etc.) HAZY, WINDS 20-30KNS, seas 2-3'

Water Temp., Surface 73°F Below Mid-Depth 73°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead OK Deflector

Port Inflow, Fore O/C wood, metal ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty K Kopitsky

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04 / 26 / 03

Load # 457 Start 0540 End 0615 Dump 0851-0900

Location (lat/long, stations) STW: 360+00 to 420+00 Tide Stage Ø

Weather (wind dir, beaufort, sea state, temp, etc.) Clear, WIND 10-15KNTS, Seas calm

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead OK, netting Deflector

Port Inflow, Fore OK ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty K. Kopitsky

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04/26/03

Load # 458 Start 1133 End 1215 Dump 1503-1507

Location (lat/long, stations) STW. 360+00 to 420+00 Tide Stage 0.7

Weather (wind dir, beaufort, sea state, temp, etc.) Clear, winds 10-15 KNTS, Seas calm

Water Temp., Surface 75.0°F Below Mid-Depth 75.0°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead OK, netting Deflector

Port Inflow, Fore OK, wood, metal ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty K. Kopitsky

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04/27/03

Load # 000 461 Start 0517 End 0548 Dump 0824-0828

Location (lat/long, stations) STW: 360+00 to 420+00 Tide Stage -.3

Weather (wind dir, beaufort, sea state, temp, etc.) Clear, Seas calm (1'), WIND 10-15KNOTS

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead Deflector

Port Inflow, Fore ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty K. Kopitsky

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 04/27/03

Load # 462 Start 1058 End 1135 Dump 1528-1531

Location (lat/long, stations) STW: 360+00 to 420+00 Tide Stage Lo

Weather (wind dir, beaufort, sea state, temp, etc.) Clear, wind 10-15KNTS, seas calm

Water Temp., Surface 72.0°F Below Mid-Depth 72.0°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead OK Deflector _____

Port Inflow, Fore OK ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Bottlenose dolphin	5	1400 on way to dumpsite

Observer(s) on duty K. Kopitsky

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 14 / 03

Load # 663 Start 13:40 End 14:10 Dump 17:00

Location (lat/long, stations) 480-525 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) PT CLDY, 1' SEAS, 88°F, 5-5KT WIND

Water Temp., Surface 84 Below Mid-Depth 82

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore WOOD BLOCK ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL MUD → NO ENDANGERED SPECIES OR BYCATCH PRESENT → ALL GEAR WORKING WELL.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	8	1330 BOWRIDING

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05/14/03

Load # 662 Start 19:30 End 21:20 Dump 24:20

Location (lat/long, stations) 480-525 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) PT CLOUDY, 86°F, 1' SEAS 5-15 KT WIND

Water Temp., Surface 84 Below Mid-Depth 82

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore CLEAR ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL MUD → ALL GEAR FUNCTIONING WELL, → NO ENDANGERED SPECIES OR BYCATCH PRESENT.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 15 / 03

Load # 663 Start 06:00 End 0730 Dump 09:45

Location (lat/long, stations) 480 - 525 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) CLOUDY, 10KT WIND, 1-2' SEAS, 79°F

Water Temp., Surface 84 Below Mid-Depth 81

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore TRASH, WOOD ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL MUD → ALL GEAR FUNCTIONING WELL → SCREENING FUNCTIONING WELL → NO SIGHTINGS OF ENDANGERED SPECIES → NO BY-CATCH PRESENT.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
∅		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 15 / 03

Load # 664 Start 1220 End 13:00 Dump 15:25

Location (lat/long, stations) 480-525 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) RAIN, 85°F, 1-2' SEAS 5-10KT WIND

Water Temp., Surface 85 Below Mid-Depth 83

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore WOOD, ROPE ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL MUD

→ ALL GEAR FUNCTIONING WELL

→ NO BYCATCH OR ENDANGERED SPECIES PRESENT

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	4	13:05 → STBD SIDE
T. truncatus	9	13:40 → " "

Observer(s) on duty Jason Ownsport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 15 / 03

Load # 665 Start 1800 End 1850 Dump 2100

Location (lat/long, stations) 480 - 525 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) PT CLDY, 88°F, E 10KT WIND, 1-2 SEAS

Water Temp., Surface 85 Below Mid-Depth 82

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore TRASH/DEBRIS ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ SCREENING AND EQUIPMENT FUNCTIONING WELL

→ NO ENDANGERED SPECIES OR BYCATCH PRESENT

→ LAST LOAD OBSERVED FOR DAY

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 5 / 15 / 03

Load # CCC Start WA End NA Dump NA

Location (lat/long, stations) 480-525 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.)

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead WA Deflector

Port Inflow, Fore Mid

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ Mid

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

NO COVERAGE FOR LOAD (50% COVERAGE)

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
WA		

Observer(s) on duty: Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 16 / 03

Load # 667 Start NA End 0710 Dump 0915

Location (lat/long, stations) 480 - 525 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) PT CLDY, 1-2' SEAS, 10KT SE, 82°F

Water Temp., Surface 84 Below Mid-Depth 82

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore WOOD / ROCKS ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ SCREENS FUNCTIONING WELL

→ TRASH (WOOD/ROCKS) IN BOX

→ NO INCIDENTS WITH ENDANGERED SPECIES

→ NO BYCATCH PRESENT

→ AFTER LOAD DUMPED HEADING TO FUEL DOCK

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 06 / 16 / 03

Load # 668 Start 18:00 End 18:40 Dump 19:45

Location (lat/long, stations) 480-525 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) PTLY CLDY, 1-2' SEAS, 80°F, SE 10-15 KTS

Water Temp., Surface 85 Below Mid-Depth 83

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead CLEAR ~~[illegible]~~ Deflector Ok

Port Inflow, Fore WOOD BLOCK, WIRE ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL MUD

→ SCREEN FUNCTIONING WELL

→ NO INCIDENTS INVOLVING ENDANGERED SPECIES

→ NO BYCATCH PRESENT

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 16 / 03

Load # 669 Start NA End NA Dump NA

Location (lat/long, stations) 480-525 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.)

Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead NA Deflector

Port Inflow, Fore ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

50% COVERAGE LOAD NOT OBSERVED

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 12 / 03

Load # 670 Start NA End NA Dump NA

Location (lat/long, stations) 480-525 Tide Stage 1.8

Weather (wind dir, beaufort, sea state, temp, etc.) _____

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead NA Deflector _____

Port Inflow, Fore _____ ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED 50% COVERAGE

→ MOVING TO GULFPORT ARRIVE AT APPROX. 09:00 AM

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: ~~Mobile Ship Channel~~ GULFPORT

Date: 05 / 17 / 03

Load # 671 Start 09:05 End 10:50 Dump 11:05

Location (lat/long, stations) GULFPORT Tide Stage , 6

Weather (wind dir, beaufort, sea state, temp, etc.) S WIND 15KNTS, 2-4 SEAS, 85°F

Water Temp., Surface 81 Below Mid-Depth 80

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead PIECE OF RUBBER Deflector OK

Port Inflow, Fore TRASH, DEBRIS ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL PRIMARILY MUD

→ CONCHS, WELKS, GRASS, TRASH + ROPE ALL PRESENT IN BOX

→ NO INCIDENTS W/ ENDANGERED SPECIES

→ ALL GEAR WORKING WELL

→ NOW MAINTAINING 100% COVERAGE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 17 / 03

Load # 672 Start 11:30 End 13:05 Dump 13:29

Location (lat/long, stations) 970-1020 BOXES 5,6,8 Tide Stage 1, 4

Weather (wind dir, beaufort, sea state, temp, etc.) S WIND 15 KTS, 2-4' SEAS, 86°F, PTLY CLOUDY

Water Temp., Surface 84 Below Mid-Depth 82

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore ROPE, GRASS ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow~~ Fore ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ GRASS, ROPE ONLY MATERIAL ON SCREEN INSIDE OF BOX

→ NO INCIDENTS W/ ENDANGERED SPECIES

→ ALL GEAR FUNCTIONING WELL

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T truncatus	2	1205 STBD SIDE

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 17 / 03

Load # 673-681 Start _____ End _____ Dump _____

Location (lat/long, stations) 970-1020 Tide Stage .8

Weather (wind dir, beaufort, sea state, temp, etc.) 5 WIND 15-20 KTS, 3-5' SEAS, PTLY CLDY

Water Temp., Surface 84° Below Mid-Depth 82°

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead TRASH / ROPE Deflector _____

Port Inflow, Fore STARFISH, CONCH, WELKS, GRASS, LINEN TRASH, SHELLS, WOOD, ROCKS, ROPE ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

		START	FINISH	DUMP
5/17	#673	13:35	15:05	15:30
	#674	15:50	17:20	17:30
	#675	17:48	19:20	19:40
	#676	20:00	21:20	21:35
	#677	21:50	23:10	23:30
5/18 →	#678	~~[illegible]~~ 0:05	~~[illegible]~~ 02:35	~~[illegible]~~ 02:55
	#679	03:05	03 59	04:10
	#680	04:20	05 40	05.55
	#681	06:10	07:15	07:35

100% COVERAGE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	3	14:00 → LOAD #673 → STBD SIDE

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: ~~Mobile Ship Channel~~ GULFPORT SHIP CHANNEL

Date: 05 / 18 / 03

Load # 682-688 Start SEE BELOW End _____ Dump _____

Location (lat/long, stations) 970-1020 Tide Stage -.3

Weather (wind dir, beaufort, sea state, temp, etc.) RAIN, S WIND 15-20KTS, 3-6 SEAS, 80 °F

Water Temp., Surface 84 Below Mid-Depth 82

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead CABLE, TRASH, NET Deflector OK

Port Inflow, Fore ROPE, TRASH, DEBRIS, PLASTIC STARFISH, CONCH, GRASS, CRABS, CLAMS ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

	START	FINISH	DUMP
#682	11:05	12:15	12:30
#683	12:45	14:10	14:25
#684	14:45	16:15	16:28
#685	16:40	18:05	18:15
#686	18:30	19:55	20:05
#687	20:15	21:30	21:45
#688	22:04	23:20	23:35

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	3	11:24 PORT STERN

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 19 / 03

Load # 689 Start 06:00 End 06:59 Dump 09:45

Location (lat/long, stations) 480-525 Tide Stage 1.0

Weather (wind dir, beaufort, sea state, temp, etc.) SE WIND 10-15KTS, 2-4' SEAS, 83°F, RAIN

Water Temp., Surface 85 Below Mid-Depth 83

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore ROPE, TRASH ~~Mid~~

~~Port Inflow, AS~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, AS~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ 50% COVERAGE (MOBILE SHIP CHANNEL)

→ DREDGE MATERIAL MUD

→ MATERIAL IN SCREEN

BIOTIC → GRASS

ABIOTIC → ROPE, TRASH, PLASTIC, DEBRIS

→ NO INTERACTIONS W/ ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	4	07:20 → PORT SIDE

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 19 / 03

Load # 690 Start 11:55 End 12:45 Dump 15:20

Location (lat/long, stations) 480 - 525 Tide Stage 0.6 →

Weather (wind dir, beaufort, sea state, temp, etc.) SE WIND 10-15KTS, 2-4' SEAS, 84°F

Water Temp., Surface 85 Below Mid-Depth 83

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore CLEAR ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL MUD

→ NO MATERIAL IN BOX OR DRAGHEAD

→ NO INCIDENTS W/ ENDANGERED SPECIES OR BYCATCH

→ ALL GEAR FUNCTIONING WELL

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	6	12:04 → PORT BOW

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 19 / 03

Load # 691 Start 18:10 End 19:04 Dump 21:08

Location (lat/long, stations) 480 - 525 Tide Stage 0.6 [redacted]

Weather (wind dir, beaufort, sea state, temp, etc.) SE WIND 10KTS, 1-3' SEAS, 85°F, CLEAR

Water Temp., Surface 84 Below Mid-Depth 82

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore TRASH / DEBRIS ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL MUD

→ SCREENING / BOXES WORKING WELL. OUT MATERIAL IN BOXES IS A VERY SMALL QUANTITY OF TRASH.

→ NO INCIDENTS W/ ENDANGERED SPECIES OR BYCATCH.

→ ALL GEAR FUNCTIONING WELL.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 19 / 03

Load # 692 Start WA End _____ Dump _____

Location (lat/long, stations) 480-525 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) NA

Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead NA Deflector _____

Port Inflow, Fore _____ ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED 50% COVERAGE

→ SCREENS IN PLACE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 20 / 03

Load # 693 Start 04:30 End 05:30 Dump 07:50

Location (lat/long, stations) 480-525 Tide Stage [illegible] - 1.5

Weather (wind dir, beaufort, sea state, temp, etc.) E-SE WIND 5-10KTS, PTCT CLDT, 1-3 SEAS, 80°F

Water Temp., Surface 84 Below Mid-Depth 82

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore TRASH DEBRIS ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ SCREENING BOXES WORKING WELL

→ NO INCIDENTS W/ ENDANGERED SPECIES

→ SEVERAL SMALL FISH AND CRABS SPOTTED IN SPOIL IN HOPPER.

→ ALL GEAR WORKING WELL

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T truncatus	2	07:10 → STBD SIDE → CHANNEL

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 20 / 03

Load # 694 Start 11:25 End 12:05 Dump 14 50

Location (lat/long, stations) 480-525 Tide Stage 0.5 →

Weather (wind dir, beaufort, sea state, temp, etc.) SCTD RAIN, E-SE WIND 5-10KTS, 1-3 SEAS

Water Temp., Surface 84 Below Mid-Depth 82

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore GRASS TRASH, DEBRIS ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL MUD

→ SCREEN BOXES WORKING WELL TRASH ONLY ITEMS PRESENT

→ NO INTERACTIONS w/ ENDANGERED SPECIES OR BYCATCH

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty [signature]

FROM : Coastwise / NEAq [Blay] PHONE NO. : [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 20 / 03

Load # 695 Start 10:15 End 18:30 Dump 21:22

Location (lat/long, stations) 480-525 Tide Stage 1.7

Weather (wind dir, beaufort, sea state, temp, etc.) E WIND 10-15KTS, CLDY, 1-3' SEAS, 84°F

Water Temp., Surface 84 Below Mid-Depth 83

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore TRASH, PLASTIC, WOOD ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL MUD

→ BOXES WORKING WELL, ONLY MATERIAL PRESENT → TRASH PLASTIC WOOD DEBRIS

→ NO INTERACTIONS w/ ENDANGERED SPECIES OR BYCATCH

→ ALL GEAR FUNCTIONING WELL

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 20 / 03

Load # 696 Start NA End NA Dump _____

Location (lat/long, stations) 480-525 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) NA

Water Temp., Surface NA Below Mid-Depth NA

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead NA Deflector _____

Port Inflow, Fore _____ ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED (50% COVERAGE)

→ SCREENS IN PLACE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Jason Davenport

FROM : Coastwise / NEAq [Blaw] PHONE NO. : [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 21 / 03

Load # 647 Start 03:45 End 05:14 Dump 08:45

Location (lat/long, stations) 480-525 Tide Stage 0.6 [illegible]

Weather (wind dir, beaufort, sea state, temp, etc.) E WIND 5-10KTS, CLDY, 80°F, 1-2' SEAS

Water Temp., Surface 84 Below Mid-Depth 80

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore WOOD, ROCKS, SHELL, TRASH ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL MUD

→ SCREENS + BOXES WORKING WELL

→ NO INTERACTIONS w/ ENDANGERED SPECIES

→ ALL GEAR FUNCTIONING WELL.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	8	07:40 → STBD BOW. CHANNEL

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05/21/03

Load # 698 Start 10:15 End 11:55 Dump 13:15

Location (lat/long, stations) 480 - 525 Tide Stage 1.2

Weather (wind dir, beaufort, sea state, temp, etc.) E WIND 5-10 KTS, CLDY, 82°F, 1-2' SEAS

Water Temp., Surface 84 Below Mid-Depth 81

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead WOOD BLOCK Deflector OK

Port Inflow, Fore CLEAR ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL MUD

→ DOORS AND SCREENING WORKING WELL

→ NO INCIDENTS W/ ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty: Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05/21/03

Load # 699 Start 16:50 End 17:40 Dump 19:55

Location (lat/long, stations) 480-525 Tide Stage 0.8

Weather (wind dir, beaufort, sea state, temp, etc.) CLOUDY, E WIND 5 KTS, 1-3 SEAS, 82°F

Water Temp., Surface 84 Below Mid-Depth 82

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore WOOD, GRASS, TRASH ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL MUD

→ MATERIAL ON SCREEN: WOOD, GRASS, TRASH

→ NO INTERACTIONS W/ ENDANGERED SPECIES OR BYCATCH

→ GEAR FUNCTIONING WELL

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 21 / 03

Load # 700 Start NA End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) NA

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Drag~~head _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore NA ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED (50% COVERAGE)

→ SCREENS IN PLACE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty _____

FROM : COASTWISE / NEHQ (STAY) FAXNO NO. : [illegible]

ENDANGERED SPECIES OBSERVER PROGRAM

05/22/03
RPF 12/03

Dredge: Columbia

Project: Mobile Ship Channel

Date: 07 / 22 / 03

Load # 701 Start 06:04 End 07:10 Dump 09:50

Location (lat/long, stations) 480-525 Tide Stage 1.1

Weather (wind dir, beaufort, sea state, temp, etc.) N WIND 10KTS, CLOUDY, 1-2' SEAS, 75°F

Water Temp., Surface 84 Below Mid-Depth 81

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore ROPE, WOOD, ROCKS, LINEN ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL MUD

→ BOX CONTAINED TRASH/DEBRIS

→ NO INTERACTIONS W/ ENDANGERED SPECIES OR PRESENCE OF BYCATCH

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	8	08:10 → STBD BOW - CHANNEL

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

12/03 PPF ~~Date~~ 03/22/03 05

Load # 702 Start 12:44 End 14:20 Dump 15:40

Location (lat/long, stations) ~~480-525~~ 700-760 Tide Stage 0.8

Weather (wind dir, beaufort, sea state, temp, etc.) CLOUDY, N WIND 10 KTS, 1-2' SEAS

Water Temp., Surface 84 Below Mid-Depth 81

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore WOOD BLOCK ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL MUD

→ ONLY ITEM IN BOX WOOD BLOCK

→ NO INTERACTIONS W/ ENDANGERED SPECIES

→ NEW DREDGE LOCATION 700-760

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	4	13:30 → BOW RIDING - CHANNEL

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

12/03
RPF
5/22/03

Dredge: Columbia

Project: Mobile Ship Channel

Date: 07 / 22 / 03

Load # 703 Start 17:40 End 18:25 Dump 20:50

Location (lat/long, stations) 700 - 760 Tide Stage 0.8

Weather (wind dir, beaufort, sea state, temp, etc.) CLEAR, 10KT N WIND 1-2' SEAS 82°F

Water Temp., Surface 84 Below Mid-Depth 82

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore CLEAR ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL MUD

→ SCREEN + BOX CLEAR

→ NO INTERACTIONS W/ ENDANGERED SPECIES OR BYCATCH

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty: Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 22 / 03

Load # 704 Start N/A End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) _____

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore N/A ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

- LOAD NOT OBSERVED (50% COVERAGE)

- SCREENS IN PLACE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty: Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 23 / 03

Load # 705 Start NA End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) NA

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

~~Port Dragbead~~ _____ Deflector _____

Stbd Dragbead _____ Deflector _____

Port Inflow, Fore NA ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED (60% COVERAGE)

→ SCREENS IN PLACE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty: Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 23 / 03

Load # 706 Start 08:50 End 09:35 Dump 11:45

Location (lat/long, stations) 700 - 760 Tide Stage 0.3

Weather (wind dir, beaufort, sea state, temp, etc.) CLDY, W WIND 10KTS, 1-2' SEAS, 80°F

Water Temp., Surface 84 Below Mid-Depth 81

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Drughead~~ Deflector

Stbd Drughead CABLE Deflector OK

Port Inflow, Fore WOOD, ROPE ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL MUD

→ BOX CONTAINED BLOCK OF WOOD & PIECE OF ROPE,

→ NO INTERACTIONS W/ ENDANGERED SPECIES OR BYCATCH

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 23 / 03

Load # 707 Start 13:45 End 14:30 Dump 16:20

Location (lat/long, stations) 700 - 760 Tide Stage 0.8

Weather (wind dir, beaufort, sea state, temp, etc.) NW WIND 10 KTS 1-2 SEAS, CLEAR, 86°F

Water Temp., Surface 87 Below Mid-Depth 80

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Drughead~~ ~~Deflector~~

Stbd Drughead CLEAR Deflector OK

Port Inflow, Fore CLEAR ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL MUD

→ BOX + SCREEN CLEAR

→ NO INTERACTIONS W/ ENDANGERED SPECIES OR BYCATCH

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	4	14:20 → STBD SIDE → CHANNEL

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05/23/03

Load # 708 Start 18:40 End NA Dump NA

Location (lat/long, stations) 700-760 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) N WIND 10KTS, 1-2 SEAS, CLEAR 78°F

_____ Water Temp., Surface 84 Below Mid-Depth 82

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore NA ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

LOAD NOT OBSERVED 50% COVERAGE

SCREENS IN PLACE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 23 / 03

Load # 709 Start NA End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) NA

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore NA ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED (50% COVERAGE)

→ SCREENS IN PLACE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty James Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 24 / 03

Load # 710 Start 03:10 End 04:00 Dump 07:00

Location (lat/long, stations) 700 - 760 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) N WIND 10 KTS, 1-2 SEAS, CLEAR, 78°F

Water Temp., Surface 83 Below Mid-Depth 81

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead ROPE Deflector OK

Port Inflow, Fore WOOD BLOCK, TRASH ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGE MATERIAL MUD

→ NO INTERACTIONS W/ ENDANGERED SPECIES

→ SCREENING FUNCTIONING WELL

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05/24/03

Load # 111 Start 09:15 End 10:05 Dump 12:10

Location (lat/long, stations) 700-760 Tide Stage -.2

Weather (wind dir, beaufort, sea state, temp, etc.) CLEAR, N WIND 5KTS, 1'SEAS, 80°F

Water Temp., Surface 83 Below Mid-Depth 80°

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Drag~~head ~~Deflector~~

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore WOOD, TRASH ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ MATERIAL FOUND IN BOX

BIOTIC → WOOD

ABIOTIC → TRASH

→ NO INTERACTIONS W/ ENDANGERED SPECIES OR BYCATCH

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty: Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 24 / 03

Load # 712 Start 14:10 End 14:50 Dump 17:00

Location (lat/long, stations) 700-760 Tide Stage 1.0

Weather (wind dir, beaufort, sea state, temp, etc.) N WIND 2-5KTS, CLEAR, 1 SEAS, 88°F

Water Temp., Surface 83 °F Below Mid-Depth 81 °F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead CLOTH Deflector

Port Inflow, Fore WOOD, LINEN, ROPE ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow~~ Fore ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ MATERIAL IN BOX

BIOTIC → WOOD

ABIOTIC → ROPE, LINEN

→ NO INTERACTIONS W/ ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. lanceatus	6	17:08 → PORT MID-SHIP - CLOSE TO DUMP

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 27 / 03

Load # 713 Start NA End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) NA

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore NA ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED (50% COVERAGE)

→ SCREENS IN PLACE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty: Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05/25/03

Load # 714 Start _____ End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) N/A

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore N/A ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow~~, Fore _____ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ _____ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED (50% COVERAGE)

→ SCREENS IN PLACE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 25 / 03

Load # 715 Start ~~0700~~ 07:45 End 05:20 Dump 07:25

Location (lat/long, stations) 700-760 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) E WIND 2-5KTS, 1'SDAS, CLEAR, 75°F

Water Temp., Surface 83° Below Mid-Depth 81°

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ DeFlector

Stbd Draghead CLEAR DeFlector OK

Port Inflow, Fore ROCK, WOOD, TRASH ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow~~ Fore ~~Mid~~

~~Stbd Inflow~~ Aft

~~Port Overflow~~ Primary ~~Secondary~~

~~Stbd Overflow~~ Primary NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ MATERIAL IN BOX

BIOTIC → ROCK, WOOD

ABIOTIC → TRASH

→ NO INCIDENTS W/ ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 25 / 03

Load # 714 Start 09:30 End 10:15 Dump 12:15

Location (lat/long, stations) 700-766 Tide Stage 0.1

Weather (wind dir, beaufort, sea state, temp, etc.) LIGHT N WIND, LESS THAN 1' SEAS, CLEAR, 82°

Water Temp., Surface 83° Below Mid-Depth 81°

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore GRASS, ROCK, WOOD, SHELL ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ MATERIAL IN BOX

BIOTIC → GRASS, WOOD, ROCK SHELL

ABIOTIC → CLEAR

→ NO INTERACTIONS W/ ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	3	11:10 → DOLPHIN DIVING → OUTSIDE BARRIER ISLAND

Observer(s) on duty Juan Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 25 / 03

Load # 717 Start 14:20 End 15:04 Dump 17:12

Location (lat/long, stations) 700-760 Tide Stage 1.3

Weather (wind dir, beaufort, sea state, temp, etc.) CLEAR, S WIND 10-15, 1' SEAS, 88°F

Water Temp., Surface 83°F Below Mid-Depth 81°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore SHELL ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ BOX CONTENTS

BIOTIC → SHELL

ABIOTIC → CLAY

→ NO INCIDENTS W/ ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty: Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 25 / 03

Load # 718 Start _____ End _____ Dump _____

Location (lat/long, stations) 700-760 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) N/A

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore N/A ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED (50% COVERAGE)

→ SCREENS IN PLACE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 26 / 03

Load # 219 Start _____ End _____ Dump _____

Location (lat/long, stations) 700-760 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) N/A

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore N/A ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED (50% COVERAGE)

→ SCREENS IN PLACE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 26 / 03

Load # 720 Start 04:30 End 05:15 Dump 07:25

Location (lat/long, stations) 700-760 Tide Stage 0.8

Weather (wind dir, beaufort, sea state, temp, etc.) 5 WIND 10KTS, PTLY CLDY, 1' SEAS, 80°F

Water Temp., Surface 83°F Below Mid-Depth 81°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore PLASTIC, ROCKS, WOOD, SCREEN ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ MATERIAL IN BOX

BIOTIC → ROCK, WOOD

ABIOTIC → PLASTIC, SCREEN

→ NO INTERACTIONS W/ ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Dauzat

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 26 / 03

Load # 721 Start 09:30 End 10:10 Dump 13:15

Location (lat/long, stations) 700-760 Tide Stage LO

Weather (wind dir, beaufort, sea state, temp, etc.) SW WIND 10KTS, PTLY CLDY, 1' SEAS 82°F

Water Temp., Surface 83°F Below Mid-Depth 81°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Drag~~head ~~Deflector~~

Stbd Draghead CLEAR Deflector

Port Inflow, Fore WOOD, PLASTIC ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow~~, Fore ~~Mid~~

~~Stbd Inflow~~, Aft

~~Port Overflow~~, Primary ~~Secondary~~

~~Stbd Overflow~~, Primary NO OVERFLOW Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD W/ LITTLE SHELL

→ BOX COUNTS

BIOTIC → WOOD

ABIOTIC → PLASTIC

→ NO INTERACTIONS WITH ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05/26/03

Load # 222 Start 14:20 End 15:05 Dump 17:00

Location (lat/long, stations) 700-760 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) SW WIND 10KTS, PTLY CLDY, 1' SEAS, 85°F

Water Temp., Surface 83°F Below Mid-Depth 81°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore ROCKS, WOOD ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ MATERIAL IN BOX

BIOTIC → WOOD

ABIOTIC → ROCKS

→ NO INCIDENTS W/ ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 28 / 03

Load # 723 Start NA End _____ Dump _____

Location (lat/long, stations) 760-760 WA Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) _____

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead WA Deflector _____

Port Inflow, Fore _____ ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED (50% COVERAGE)

→ SCREENS IN PLACE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05/27/03

Load # 724 Start _____ End _____ Pump _____

Location (lat/long, stations) 700 - 760 Tide Stage N/A

Weather (wind dir, beaufort, sea state, temp, etc.) _____

Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead N/A Deflector

Port Inflow, Fore ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED (50% COVERAGE)

→ SCREENS IN PLACE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 07/27/03

Load # 725 Start 04:45 End 05:35 Dump 07:45

Location (lat/long, stations) 700-760 Tide Stage -0.2

Weather (wind dir, beaufort, sea state, temp, etc.) CLEAR, NW WIND 5 KTS, 1' SEAS, 80°F

Water Temp., Surface 84°F Below Mid-Depth 82°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Drag~~head Deflector

Stbd Draghead CABLE Deflector OK

Port Inflow, Fore ROCKS, WOOD, SHELL ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow~~, Fore Mid

~~Stbd Inflow, Aft~~

~~Port Overflow~~, Primary Secondary

~~Stbd Overflow~~, Primary NO OVERFLOW Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ CONTENTS OF BOX

BIOTIC → WOOD, SHELL

ABIOTIC → CABLE, ROCK

→ NO INTERACTIONS W/ ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty: Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 27 / 03

Load # 726 Start 09:40 End 10:38 Dump 12:48

Location (lat/long, stations) 760-766 Tide Stage 0.3

Weather (wind dir, beaufort, sea state, temp, etc.) PTLY CLDY, NW 10 10KTS, 1'SEAS, 80°F

Water Temp., Surface 83 Below Mid-Depth 81

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead CLEAR Deflector OK

Port Inflow, Fore CONCRETE WOOD ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow~~, Fore ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ CONTENTS OF BOX

BIOTIC → WOOD

ABIOTIC → CONCRETE

→ NO INTERACTIONS W/ ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T truncatus	3	10:40 → STBD BOW OF CHANNEL

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 27 / 03

Load # 27 Start 14:49 End 15:27 Dump 17:20

Location (lat/long, stations) 700-760 Tide Stage 1.0

Weather (wind dir, beaufort, sea state, temp, etc.) N WIND 10KTS, PTLY CLDY, 1-2' SEAS, 85°F

Water Temp., Surface 83°F Below Mid-Depth 81°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Dragshead~~ ~~Deflector~~

Stbd Dragshead CLEAR Deflector OK

Port Inflow, Fore ROCK, PLASTIC, NET ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ BOX CONTENTS

BIOTIC → NONE

ABIOTIC → ROCK, PLASTIC, NET

→ NO INTERACTIONS WITH ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Ouweneel

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05/27/03

Load # 728 Start _____ End _____ Dump _____

Location (lat/long, stations) 700 - 760 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) N/A

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ _____ ~~Deflector~~ _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore N/A ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED (50% COVERAGE)

→ SCREENS IN PLACE

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 28 / 03

Load # 729 Start _____ End _____ Dump _____

Location (lat/long, stations) 700 - 760 NA Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) _____

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead NA Deflector _____

Port Inflow, Fore _____ ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED (50% COVERAGE)

→ SCREENS IN PLACE FOR UNOBSERVED LOADS

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 28 / 03

Load # 730 Start 07:10 End 07:45 Dump 10:10

Location (lat/long, stations) 700-760 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) N WIND 5 KTS, CLEAR, 1' SEAS, 75°F

Water Temp., Surface 83°F Below Mid-Depth 81°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead CLEAR Deflector SEE BELOW

Port Inflow, Fore CONCRETE, SHACKLE ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ MATERIAL ON SCREENS

BIOTIC → CLEAR

ABIOTIC → CONCRETE, SHACKLE

→ NO INTERACTIONS W/ ENDANGERED SPECIES

→ LOWER DIGGING BLADE ON DRAGHEAD REMOVED (SCREEN STILL INTACT)

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty: Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 28 / 03

Load # 731 Start 12:04 End 13:44 Dump 13:44

Location (lat/long, stations) 700 - 760 Tide Stage L O

Weather (wind dir, beaufort, sea state, temp, etc.) W WIND 5 KTS, CLEAR, 1' SEAS, 85°F

Water Temp., Surface 83°F Below Mid-Depth 81°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead CLEAR Deflector DROPPED

Port Inflow, Fore CONCRETE, WOOD ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ MATERIAL ON SCREENS

BIOTIC → WOOD

ABIOTIC → CONCRETE

→ NO INTERACTIONS W/ ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 28 / 03

Load # 332 Start 17:00 End 17:44 Dump 19:52

Location (lat/long, stations) 700-760 Tide Stage 0.5

Weather (wind dir, beaufort, sea state, temp, etc.) CLEAR, N WIND 3 KTS, 1' SEAS, 81°S

Water Temp., Surface 84° Below Mid-Depth 82°

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead CLEAR Deflector REMOVED

Port Inflow, Fore ROCKS, WOOD ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ MATERIAL ON SCREENS

BIOTIC → WOOD BLOCK

ABIOTIC → ROCKS

→ NO INTERACTIONS W/ ENDANGERED SPECIES

→ NO BYCATCH EVIDENT

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty: Jason Jacquot

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 28 / 03

Load # 233 Start _____ End _____ Dump _____

Location (lat/long, stations) 700-760 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) NA

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ _____ ~~Deflector~~ _____

Stbd Draghead _____ Deflector REMOVED

Port Inflow, Fore _____ ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED (50% COVERAGE)

→ SCREENS IN PLACE FOR UNOBSERVED LOADS

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05/29/03

Load # 134 Start 05:35 End 16:20 Dump 18:35

Location (lat/long, stations) 700-760 Tide Stage LO

Weather (wind dir, beaufort, sea state, temp, etc.) PTLY CLDY, SE WIND 5KTS, 1' SEAS, 85°F

Water Temp., Surface 83°F Below Mid-Depth 81°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead CLEAR Deflector REMOVED

Port Inflow, Fore WOOD BLOCK, ROCKS ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on hy-cush, incidents, etc.):

→ DREDGED MATERIAL MUD

→ MATERIAL ON SCREENS

BIOTIC → WOOD BLOCK

ABIOTIC → ROCKS

→ NO INTERACTIONS W/ ENDANGERED SPECIES

→ FIRST LOAD OF DAY (MECHANICAL PROBLEMS)

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Dunnpat

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 29 / 03

Load # 735 Start 20:40 End 21:20 Dump 23:15

Location (lat/long, stations) 700 - 760 Tide Stage -0.5

Weather (wind dir, beaufort, sea state, temp, etc.) SE WIND 5-10KTS, 1'SEAS, PTLY CLDY, 82°F

Water Temp., Surface 84° Below Mid-Depth 82°

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead CLEAR Deflector REMOVED

Port Inflow, Fore CLEAR ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ BOX CLEAR

→ NO INTERACTIONS W/ ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Dungert

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 30 / 03

Load # 736 Start _____ End _____ Dump _____

Location (lat/long, stations) 700-760 NA Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) _____

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

~~Port Draghead~~ _____ Deflector _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore NA ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED (50% COVERAGE)

→ SCREEN IN PLACE FOR UNOBSERVED LOAD

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 05 / 30 / 03

Load # 737 Start 15:25 End 16:30 Dump 18:44

Location (lat/long, stations) 700-760 Tide Stage 0.5

Weather (wind dir, beaufort, sea state, temp, etc.) E WIND 10KTS, PTLY CLDY, 1' SEAS, 85°F

Water Temp., Surface 84°F Below Mid-Depth 82°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead CLEAR Deflector REMOVED

Port Inflow, Fore ROCKS, SMALL SNAIL, SHELL ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow~~ Fore ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ NO OVERFLOW ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ FIRST LOAD OF THE DAY (AT FUEL DOCK)

→ MATERIAL ON SCREENS

BIOTIC → SHELL, SMALL SNAIL

ABIOTIC → ROCKS

→ NO INTERACTIONS W/ ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
I. fraudatus	3	16:50 → PORT MOBILE → SHIP CHANNEL

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE SHIP CHANNEL

Date: 05 / 30 / 03

Load # 738 Start 20:50 End 21:30 Dump 23:28

Location (lat/long, stations) 700-760 + 920-980 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) SW WIND 5-10KTS, 1-2 SEAS, PTLY CLDY, 80°F

_____ Water Temp., Surface 83°F Below Mid-Depth 81°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ ~~Deflector~~ _____

Stbd Draghead CLEAR Deflector REMOVED

Port Inflow, Fore WOOD, SHELL, ROCK ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow~~, Aft _____

Port Overflow, Primary NA ~~Secondary~~ _____

Stbd Overflow, Primary NA ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ CONTENTS ON SCREENS

BIOTIC → WOOD

ABIOTIC → SHELL, ROCK

→ NO INTERACTIONS W/ ENDANGERED SPECIES

→ NEW CUT LOCATION 920-980

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE SHIP CHANNEL

Date: 05 / 31 / 03

Load # 739 Start _____ End _____ Dump _____

Location (lat/long, stations) 920 - 980 N/A Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) _____

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ _____ ~~Deflector~~ _____

Stbd Draghead _____ N/A Deflector _____

Port Inflow, Fore _____ ~~Mid~~ _____

~~Port Inflow~~, Aft _____

Stbd ~~Inflow~~, Fore _____ ~~Mid~~ _____

~~Stbd Inflow~~, Aft _____

~~Port Overflow, Pr~~imary _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ _____ ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED (50% COVERAGE)

* SCREENS IN PLACE FOR UNOBSERVED LOADS

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Jason Quinnport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE SHIP CHANNEL

Date: 05 / 31 / 03

Load # 740 Start NA End 06:20 Dump 07:28

Location (lat/long, stations) 920-980 Tide Stage 1.0

Weather (wind dir, beaufort, sea state, temp, etc.) SW WIND 5-10KTS, PRT CLDY, 1-2' SEAS, 80°F

Water Temp., Surface 84°F Below Mid-Depth 82°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead CLEAR Deflector REMOVED

Port Inflow, Fore ROPE, ROCK, SHELL ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ NEW LOCATION 920 - 980 (STATIONS)

→ MATERIAL ON SCREENS

BIOTIC → SHELL

ABIOTIC → ROPE, ROCK

→ NO INTERACTIONS W/ ENDANGERED SPECIES

→ GEAR FUNCTIONING WELL

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty James Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE SHIP CHANNEL

Date: 05 / 31 / 03

Load # 741 Start 09:15 End 09:45 Dump 11:40

Location (lat/long, stations) 920 → 980 Tide Stage .8

Weather (wind dir, beaufort, sea state, temp, etc.) SW WIND 10-15KTS, PTLY CLDY, 1-3' SEAS, 84°F

Water Temp., Surface 84°F Below Mid-Depth 83°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead CLEAR Deflector REMOVED

Port Inflow, Fore ROCK, SHELL ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

Port ~~Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL

→ MATERIAL ON SCREENS

BIOTIC → SHELL

ABIOTIC → ROCK

→ NO INTERACTIONS W/ ENDANGERED SPECIES

→ ALL GEAR FUNCTIONING WELL

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE SHIP CHANNEL

Date: 05 / 31 / 03

Load # 742 Start 1505 End 15:45 Dump 17:18

Location (lat/long, stations) 920 - 980 Tide Stage Ø

Weather (wind dir, beaufort, sea state, temp, etc.) SE WIND 10-15KTS, PTLY CLOUDY, 2-3' SEAS, 85°F

Water Temp., Surface 83°F Below Mid-Depth 81°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ Deflector

Stbd Draghead CLEAR Deflector REMOVED

Port Inflow, Fore ROCKS, ROPE ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

Port ~~Overflow, Primary~~ Secondary

~~Stbd Overflow, Primary~~ Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ MATERIAL ON SCREENS

BIOTIC → ROCKS

ABIOTIC → ROPE

→ NO INCIDENTS INVOLVING ENDANGERED SPECIES

→ DREDGE DOWN FOR REPAIRS FROM 12:10 → 13:30

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE SHIP CHANNEL

Date: 05 / 31 / 03

Load # 743 Start _____ End _____ Dump _____

Location (lat/long, stations) 920 - 980 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) _____

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

~~Port Draghead~~ _____ ~~Deflector~~ _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore _____ ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

Stbd ~~Overflow, Primary~~ _____ ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED (50% COVERAGE)

→ SCREENS IN PLACE FOR UNOBSERVED LOADS

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE SHIP CHANNEL

Date: 05 / 31 / 03

Load # 744 Start _____ End _____ Dump _____

Location (lat/long, stations) _____ Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) NA

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

~~Port Draghead~~ _____ ~~Deflector~~ _____

Stbd Draghead _____ Deflector _____

Port Inflow, Fore NA ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow, Fore~~ _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

Port ~~Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow, Primary~~ _____ ~~Secondary~~ _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ LOAD NOT OBSERVED (50% COVERAGE)

→ SCREENS IN PLACE FOR UNOBSERVED LOAD

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Jason Dunsford

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE SHIP CHANNEL

Date: 06 / 01 / 03

Load # 7 X45 Start 03:45 End 04:20 Dump 6:11

Location (lat/long, stations) 920-980 Tide Stage .8

Weather (wind dir, beaufort, sea state, temp, etc.) NW WIND 10 KTS, CLDY, 1-3' SEAS, 75°F

Water Temp., Surface 83°F Below Mid-Depth 81°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ____ ~~Deflector~~ ____

Stbd Draghead CLEAR Deflector REMOVED

Port Inflow, Fore ROPE, CONCRETE, ROCKS, CONCH ~~Mid~~ ____

~~Port Inflow, Aft~~ ____

~~Stbd Inflow,~~ Fore ____ Mid ____

~~Stbd Inflow,~~ Aft ____

~~Port Overflow, Primary~~ ____ ~~Secondary~~ ____

~~Stbd Overflow, Primary~~ ____ ~~Secondary~~ ____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ MATERIAL ON SCREENS

BIOTIC → CONCH

ABIOTIC → ROPE, CONCRETE, ROCKS

→ NO INTERACTIONS W/ ENDANGERED SPECIES

→ GEAR WORKING WELL

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Joan Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE SHIP CHANNEL

Date: 06 / 01 / 03

Load # 7 X46 Start 07:55 End 08:25 Dump 10:25

Location (lat/long, stations) 920-980 Tide Stage Ø

Weather (wind dir, beaufort, sea state, temp, etc.) NW WIND 5-10KTS, CLDY, 1-2' SEAS, 79°F

Water Temp., Surface 83° Below Mid-Depth 81°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead CLEAR Deflector REMOVED

Port Inflow, Fore OIL FILTER, MONO, NET, ROPE, GRASS Mid

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ ~~Secondary~~

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ MATERIAL ON SCREENS

BIOTIC → GRASS

ABIOTIC → OIL FILTER, MONOFILAMENT, NET, ROPE

→ NO INTERACTIONS W/ ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	3	10:15 → STERN → NEAR DUMP

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE SHIP CHANNEL

Date: 06 / 01 / 08

Load # 7 (647) Start 11:50 End 12:42 Dump 14:20

Location (lat/long, stations) 920 - 980 Tide Stage 1.0

Weather (wind dir, beaufort, sea state, temp, etc.) SW WIND 5KTS, PTLY CLDY, 1-2' SEAS, 82°F

Water Temp., Surface 83°F Below Mid-Depth 81°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead CLEAR Deflector REMOVED

Port Inflow, Fore ROPE, SHELL, CAN, GRASS ~~Mid~~

~~Port Inflow, Aft~~

~~Stbd Inflow, Fore~~ ~~Mid~~

~~Stbd Inflow, Aft~~

~~Port Overflow, Primary~~ ~~Secondary~~

~~Stbd Overflow, Primary~~ Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ MATERIAL ON SCREENS

BIOTIC → GRASS, SHELL

ABIOTIC → CAN, ROPE

→ NO INTERACTIONS W/ ENDANGERED SPECIES

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
T. truncatus	4	13:30 → STBD → SHIP CHANNEL

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: MOBILE SHIP CHANNEL

Date: 06 / 01 / 03

Load # ~~7~~ 8 Start 16:15 End 16:44 Dump _____

Location (lat/long, stations) 920 - 980 Tide Stage .8

Weather (wind dir, beaufort, sea state, temp, etc.) PRT CLDY, W WIND 5KTS, 1' SEAS, 1' SEAS

_____ Water Temp., Surface 83°F Below Mid-Depth 81°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ ~~Deflector~~ _____

Stbd Draghead CLEAR Deflector REMOVED

Port Inflow, Fore SNAILS, NET, ROPE ~~Mid~~ _____

~~Port Inflow, Aft~~ _____

~~Stbd Inflow,~~ Fore _____ ~~Mid~~ _____

~~Stbd Inflow, Aft~~ _____

~~Port Overflow, Primary~~ _____ ~~Secondary~~ _____

~~Stbd Overflow,~~ Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

→ DREDGED MATERIAL MUD

→ MATERIAL ON SCREENS

BIOTIC → SNAILS

ABIOTIC → NET, ROPE

→ NO INTERACTIONS W/ ENDANGERED SPECIES

→ OBSERVER JASON DAVENPORT OFF COLUMBIA (9) 18:29

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observer(s) on duty Jason Davenport

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 6/2/03

Load # 752/753 Start 0827/1241 End 0900/1324 Dump 0953/1306

Location (lat/long, stations) 920 980 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) Winds 10 knots, Seas 2-3

Partly cloudy Water Temp., Surface 83 Below Mid-Depth 82

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port ~~Draghead~~ _____ Deflector _____

Stbd Draghead 0 0 Deflector NA

Port Inflow, Fore Rock trash / 0 Mid _____

~~Port Inflow~~, Aft _____

Stbd ~~Inflow~~, Fore _____ Mid _____

Stbd ~~Inflow~~, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd ~~Overflow, Pri~~mary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile ship channel

Date: 6 12 03

Load # 754 Start 1707 End 1743 Dump 1920

Location (lat/long, stations) 920 - 980 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) Winds 15 knots, seas 2-3 Partly cloudy Water Temp., Surface 83 Below Mid-Depth 82

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead NA Deflector _____

Stbd Draghead C Deflector NA

Port Inflow, Fore C Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile ship channel

Date: 6/3/03

Load # 757/758/759 Start 530/0446/1357 End 601/1015/1436 Dump 0800/1212/1624

Location (lat/long, stations) 920-980 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) Winds 10-15 Knots Seas 2-4 cloudy Water Temp., Surface 84F Below Mid-Depth 83

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead NA Deflector _____

Stbd Draghead 0 0 0 Deflector NA

Port Inflow, Fore Trash Trash Trash Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary NA Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 6 / 4 / 03

Load # 762/763/764 Start 309/0015/1156 End 336/0035/1233 Dump 526/0946/1508

Location (lat/long, stations) Stations 920 - 928 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) Winds, 15 knots

Seas 2-4 Water Temp., Surface 83 Below Mid-Depth 82

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead NA Deflector _____

Stbd Draghead 0/0/0 Deflector NA

Port Inflow, Fore 0/ weed / Trash Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary NA

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

764 3+00 + 30+00

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty ERIC Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Chann. I

Date: 6 / 5 / 03

Load # 767/768/769 Start 0310/0808/1304 End 0345 0844/1341 Dump 0602/03 1600

Location (lat/long, stations) stations 3+00 + 30+00 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) winds 10 - 15 knots, seas 2 - 4, Water Temp., Surface 83 Below Mid-Depth 82'

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead NA Deflector NA

Stbd Draghead 0 | 0 | 0 Deflector _____

Port Inflow, Fore Trash | Trash | wood Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 6 / 6 / 03

Load # 772/773/778 Start 0355/0847/1446 End 0428/0926/1553 Dump 0648/1147/1712

Location (lat/long, stations) stations 3+00 + 3U+00 Tide Stage 3-6

Weather (wind dir, beaufort, sea state, temp, etc.) winds 10-15 knots, seas 2-4 rain, overcast Water Temp., Surface 82 Below Mid-Depth 81

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead	NA			Deflector	
Stbd Draghead	0	0	0	Deflector	NA
Port Inflow, Fore	0	0	0	Mid	
Port Inflow, Aft					
Stbd Inflow, Fore				Mid	
Stbd Inflow, Aft					
Port Overflow, Primary				Secondary	
Stbd Overflow, Primary				Secondary	

NA

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: mobile ship channel

Date: 6 / 7 / 03

Load # 775/776 Start 0810/1340 End 0843/1417 Dump 1627 1630

Location (lat/long, stations) Stations 3400 + 30 + 00 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) Winds 10-15 knots, Seas 3-5 Partly cloudy Water Temp., Surface 82°F Below Mid-Depth 81°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead NA Deflector _____

Stbd Draghead Wire / 0 Deflector NA

Port Inflow, Fore Wood / 0 Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty ERIC Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 6 / 8 / 03

Load # 729/780 Start 0438/1148 End 0507/1214 Dump 729/1536

Location (lat/long, stations) Stations 3700 - 3400 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) winds 10 knots, seas 2-4

_____ Water Temp., Surface 82° Below Mid-Depth 81°

Are there incidents involving endangered or protected species? YES ~~NO~~

Note biological samples:

Port Draghead NA Deflector NA

Stbd Draghead 0 Deflector _____

Port Inflow, Fore _____ Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Westermon

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 6/9/03

Load # 783/784 Start 0337/1308 End 0417/1345 Dump 0621/1540

Location (lat/long, stations) Stations 9 to 30 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) winds 10 knots, seas 2, 4 partly cloudy Water Temp., Surface 83F Below Mid-Depth 82F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead NA Deflector NA

Stbd Draghead 0 Deflector _____

Port Inflow, Fore Trash 1 0 Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile ship channel

Date: 6/10/03

Load # 788/789 Start 0808 1645 End 0250 1739 Dump 0601 1939

Location (lat/long, stations) Station 3+00 - 30+00 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) Winds 10 knots, Seas 2-4

_____ Water Temp., Surface 85% Below Mid-Depth 84%

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead N/A Deflector N/A

Stbd Draghead 0 | 0 Deflector _____

Port Inflow, Fore 0 | 0 Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary N/A Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Dredge went in for fuel and water.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile ship channel

Date: 6/12/03

Load # 796/797/798 Start 1326/0816 1403 End 404 9251 1446 Dump 616/1143

Location (lat/long, stations) stations 3+00-30+00 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) winds 10 knots, SW 2-3

Partly Cloudy Water Temp., Surface 84 Below Mid-Depth 83

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead NA Deflector NA

Stbd Draghead 0 / 0 / Trash Deflector _____

Port Inflow, Fore 0 / 0 / Trash Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty ERIC Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 6/13/03

Load #801 802-803 Start 0441/0931/1607 End 0524/1010/1659 Dump 1336 1219/2020

Location (lat/long, stations) 3+00 30+00 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) Winds 10-15 knots SSW 2-4

_____ Water Temp., Surface 83°F Below Mid-Depth 82°F

Are there incidents involving endangered or protected species? **YES** (NO)

Note biological samples:

Port Draghead WA Deflector N/A

Stbd Draghead 0 0 Deflector _____

Port Inflow, Fore 0 0 Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship channel

Date: 6 / 14 / 03

Load # 804/803 Start 0010/0808 End 0049/0848 Dump C436 · 226

Location (lat/long, stations) 9+30 - 2+37 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) Winds 10-15 knots, seas 2-4

_____ Water Temp., Surface 80°F Below Mid-Depth 79°F

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead NA Deflector NA

Stbd Draghead 0 / 0 Deflector _____

Port Inflow, Fore Trash / Wood Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
No sightings		

Observer(s) on duty Eric Westerman

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Columbia

Project: Mobile ship channel

Date: 6/15/03

Load # 807/808 Start 0203 1015 End 0294 1054 Dump 0648 1444

Location (lat/long, stations) 9+30 - 2+37 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Winds 10-15 knots

Seas 2-4' Water Temp., Surface 82°F Below Mid-Depth 81°F

Are there incidents involving endangered or protected species? **YES** **(NO)**

Note biological samples:

Port Draghead NA Deflector

Stbd Draghead 0 wood Deflector NA

Port Inflow, Fore 0 0 Mid

Port Inflow, Aft

Stbd Inflow, Fore Mid

Stbd Inflow, Aft

Port Overflow, Primary Secondary

Stbd Overflow, Primary Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

Pin Broke

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Eric Westerman

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Columbia

Project: mobile ship channel

Date: 6/16/03

Load # 812 Start 1822 End 1903 Dump 2018

Location (lat/long, stations) 1200+00 - 1140+00 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) winds 10 knots, seas 2-3

Water Temp., Surface 81°F Below Mid-Depth 80°F

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

Port Draghead N/A Deflector

Stbd Draghead wood Deflector N/A

Port Inflow, Fore 0 Mid

Port Inflow, Aft

Stbd Inflow, Fore Mid

Stbd Inflow, Aft

Port Overflow, Primary Secondary

Stbd Overflow, Primary Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Eric Westerman

Endangered Species Observer Program

Dredge: Columbia

Project: mobile ship channel

Date: 6/13/03

Load # 815 Start 0538 End 0614 Dump 0748

Load # 816 Start 0923 End 1000 Dump 1128

Load # 817 Start 1355 End 1437 Dump 1607 cut

Location (Lat-Long / Stations) 141 ~~78~~ 4 0 1200510

Weather Winds 10-15 knots, seas 2-3

Water Temp. Surface 84°F Below Mid Depth 83°F Tide

Are there incidents involving endangered or protected species? **Yes** **No** (circled)

Note biological observations-screening condition

Port Draghead NA Deflector NA

Star. Draghead 0 / 0 / Net Deflector

~~Forward~~ 815 Loader wood

~~Mid~~ 816 Loader wood, trash

~~Aft~~ 817 Loader wood

Overflow Main NA Overflow Port Overflow Star.

Comments (endangered species obs, dredged material, biological obs, etc.)

813

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observers on duty ERIC Westerman

Endangered Species Observer Program

Dredge: Columbia

Project: Mobile ship channel

Date: 6/18/03

Load # 821 Start 0410 End 0441 Dump 0600

Load # 822 Start 0732 End 0811 Dump 0941

Load # 823 Start 1105 End 1143 Dump 1311

Location (Lat-Long / Stations) 824 1439 1140 - 1200 1310 1633

Weather Winds 10 knots, Seas 1-3

Water Temp. Surface 83°F Below Mid Depth 82F Tide

Are there incidents involving endangered or protected species? **Yes** **No**

Note biological observations-screening condition

Port ~~Draghead~~ Deflector

Star. Draghead 0 0 0 Deflector NA

Forward Loader 821 wood

Mid Loader 822 shell

Aft Loader 823 0

Overflow Main ~~Overflow Port~~ Overflow Star.

Comments (endangered species obs, dredged material, biological obs, etc.)

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observers on duty ERIC Westerman

Endangered Species Observer Program

Dredge: Columbia

Project: Mobile ship channel

Date: 6/19/03

Load # 828 Start 943 End 517 Dump 641

Load # 829 Start 810 End 850 Dump 1019

Load # 830 Start 1153 End 1232 Dump 1359

Load # 831 Location (Lat-Long / Stations) 1740 - 1208 1733

Weather Winds 10 Knots, Seas 2-3

Water Temp. Surface 83°F Below Mid Depth 82°F Tide _____

Are there incidents involving endangered or protected species? **Yes** **(No)**

Note biological observations-screening condition

Port ~~Draghead~~ NA Deflector NA

Star. Draghead 0 | 0 Deflector _____

Forward Loader 828 Rocks | 0

Mid Loader 829 0 | 0

Aft Loader 830 0

Overflow Main 831 Overflow Port _____ ~~Overflow Star~~ _____

Comments (endangered species obs, dredged material, biological obs, etc.)

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observers on duty Eric Westerman

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Columbia

Project: Mobile Ship channel

Date: 6/20/03

Load # 835/836/837/~~1950~~ 138 Start 0600/928/1302 End 635/1002/1345 Dump 801/1134/1517/1843

Location (lat/long, stations) 1644 1740 · 1200 1722 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Winds 10 knots Sea 52-3

Water Temp., Surface 82°F Below Mid-Depth 81°F

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

Port ~~Draghead~~ Deflector NA

Stbd Draghead 0 / Net / 0 / 0 Deflector

Port Inflow, Fore 0 / Trash / 0 / 0 Mid

Port Inflow, Aft

Stbd Inflow, Fore Mid

Stbd Inflow, Aft

Port Overflow, Primary Secondary

Stbd Overflow, Primary Secondary

NA

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Eric Westerman

ENDANGERED SPECIES OBSERBER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 6/21/03

Load # 841/842/843/844 Start 221/702/1031/1458 End 409/735/1106/1443 Dump 533/901/1232/1615

Location (lat/long, stations) 1140-1200 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) Winds 10 Knots SE 2-3

Water Temp., Surface 83°F Below Mid-Depth 82°F

Are there incidents involving endangered or protected species? **YES** **NO**

Note biological samples:

Port Draghead N/A Deflector N/A

Stbd Draghead Load/0/0/0 Deflector

Port Inflow, Fore Trash/Trash/0/0 Mid

Port Inflow, Aft

Stbd Inflow, Fore Mid

Stbd Inflow, Aft

Port Overflow, Primary Secondary

Stbd Overflow, Primary Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.);

Bridge Watch Summary

Species	# of Animals	Time/ Location/ Comments

Observer(s) On Duty: Eric Westerman

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship channel

Date: 6/22/03

Load # 842/846 Start 426/750 End 456/824 Dump 622/946

Location (lat/long, stations) 1140-1200 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) Winds 10 knots Seas 2-3

_____ Water Temp., Surface 82 ½ Below Mid-Depth 81 ½

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

Port Draghead NA Deflector _____

Stbd Draghead 0 / 0 Deflector NA

Port Inflow, Fore Trash / Trash Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

In for fuel

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observer(s) on duty Eric Westerman

Endangered Species Observer Program

Dredge: Columbia

Project: mobile ship channel

Date: 6/23/03

Load # 850 Start 1203 End 1240 Dump 1440

Load # 851 Start 1649 End 1727 Dump 1931

Load # _____ Start _____ End _____ Dump _____

Location (Lat-Long / Stations) 3700 - 30700

Weather winds 10 knots, seas 1-3

Water Temp. Surface 85°F Below Mid Depth 84°F

Are there incidents involving endangered or protected species? Yes (No)

Note biological observations-screening condition

Port Draghead N/A Deflector N/A

Star. Draghead 0 | 0 Deflector _____

850 Loader 0 Trash

Loader _____

Loader _____

Overflow _____ Overflow _____ Overflow _____

Comments (endangered species obs, dredged material, biological obs, etc.)

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observers on duty ERIC WISTERMAN

Endangered Species Observer Program

Dredge: Columbia

Project: Mobile ship channel

Date: 6/24/03

Load # 853 Start 0720 End 0751 Dump 0900

Load # 854 Start 0901 End 0940 Dump 0946

Load # 855 Start 1155 End 1235 Dump 1436

Location (Lat-Long / Stations) 3+00 - 30+00

Weather Winds 10 knots, seas 2-3

Water Temp. Surface 83°F Below Mid Depth 82°F

Are there incidents involving endangered or protected species? Yes (No)

Note biological observations-screening condition

Port Draghead NA Deflector NA

Star. Draghead 0 / 0 / Deflector NA

853 Loader 0

854 Loader Truck / 0

855 Loader

Overflow NA Overflow Overflow

Comments (endangered species obs, dredged material, biological obs, etc.)

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observers on duty

Endangered Species Observer Program

Dredge: Columbia

Project: mobile ship channel

Date: 6/26/03

Load # 857 Start 430 End 507 Dump 713

Load # 858 Start 918 End 1005 Dump 1212

Load # 859 Start 1423 End 1508 Dump 1704

Location (Lat-Long / Stations) 3+00-30+00

Weather Winds 10 knots, Seas 2-3

Water Temp. Surface 84° Below Mid Depth 83°

Are there incidents involving endangered or protected species? **Yes** **No**

Note biological observations-screening condition

Port Draghead N/A Deflector N/A

Star. Draghead 0 / 0 Deflector

857 Loader C / Rock

858 Loader

859 Loader

Overflow ~~Overflow~~ Overflow

Comments (endangered species obs, dredged material, biological obs, etc.)

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observers on duty Erin Westerman

Endangered Species Observer Program

Dredge: Columbia

Project: mobile ship channel

Date: 6/27/03

Load # 862 Start 511 End 554 Dump 759

Load # 863 Start 1005 End 1052 Dump 1250

Load # 864 Start 1527 End 1618 Dump 1811

Location (Lat-Long / Stations) 3+00-30+00

Weather winds 10 knots seas 1-3

Water Temp. Surface 80°F Below Mid Depth 79°F

Are there incidents involving endangered or protected species? Yes ~~No~~

Note biological observations-screening condition

Port Draghead NA Deflector NA

Star. Draghead 0 / 0 / 0 Deflector

862 Loader c

863 Loader wire, bucket, wood

864 Loader 0

Overflow Overflow Overflow

Comments (endangered species obs, dredged material, biological obs, etc.)

861

4:

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observers on duty ERIC Westerman

Endangered Species Observer Program

Dredge: Columbia

Project: Mobile Ship Channel

Date: 6/28/03

Load # 866 Start 118 End 152 Dump C412

Load # 867 Start 623 End 647 Dump 0852

Load # 868 Start 0950 End 1129 Dump 1327

Location (Lat-Long / Stations) 30+00 - 30+00

Weather

Water Temp. Surface 79 Below Mid Depth 78

Are there incidents involving endangered or protected species? Yes (No)

Note biological observations-screening condition

Port Draghead NA Deflector

Star. Draghead C I C Rope Deflector NA

866 Loader C

867 Loader C

868 Loader wood

Overflow NA Overflow Overflow

Comments (endangered species obs, dredged material, biological obs, etc.)

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observers on duty ERIC Westerman

Endangered Species Observer Program

Dredge: Columbia

Project: mobile ship channel

Date: 6/29/03

Load # 871 Start 121 End 159 Dump 911

Load # 872 Start 613 End 659 Dump 905

Load # _____ Start _____ End _____ Dump _____

Location (Lat-Long / Stations) 3+00 - 30+00

Weather winds 10 - 15 knots, seas 2-3'

Water Temp. Surface 78°F Below Mid Depth 77°F

Are there incidents involving endangered or protected species? Yes (No)

Note biological observations-screening condition

Port Draghead N/A Deflector N/A

Star. Draghead 0 0 Deflector N/A

871 Loader wood

872 Loader wood, trash

Loader _____

Overflow N/A Overflow _____ Overflow _____

Comments (endangered species obs, dredged material, biological obs, etc.)

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observers on duty Eric Westerman

Endangered Species Observer Program

Dredge: Columbia

Project: Mobile Ship Channel

Date: 7 / 1 / 03

Load # 877 Start 1947 End 2040 Dump 2240 - 2243

Load # _____ Start _____ End _____ Dump _____

Load # _____ Start _____ End _____ Dump _____

Location (Lat-Long / Stations) 3+00 - 30+00

Weather PARTLY CLOUDY, WSW 15-20, SEA 2-3'

Water Temp. Surface _____ Below Mid Depth _____ Tide _____

Are there incidents involving endangered or protected species? **Yes** **No** (No circled)

Note biological observations-screening condition

~~Port Draghead~~ _____ ~~Deflector~~ _____

Star. Draghead Ø Deflector OK

Forward Loader _____

Mid Loader _____

Aft Loader _____

Overflow Main _____ Overflow Port _____ Overflow Star. _____

Comments (endangered species obs, dredged material, biological obs, etc.)

OBSERVER ONBOARD ~1300.

RESUMED DIGGING ~1930.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
Ø		

Observers on duty Jen Gatzke

Endangered Species Observer Program

Dredge: Columbia

Project: Mobile Ship Channel

Date: 7/21/03

Load # 879 Start 0559 End 0659 Dump 0906-0910

Load # 880 Start 1107 End 1147 Dump 1404-1408

Load # 881 Start 1621 End 1712 Dump [illegible] -1925-1929

Location (Lat-Long / Stations) 3+00 – 30+00

Weather PARTLY CLOUDY, E'ly wind 15-5 picked up late afternoon SW 5-10, seas 2-4'

Water Temp. Surface 81°F @ 1100 & 1701 Below Mid Depth _____ Tide _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological observations-screening condition

~~Port Draghead~~ _____ ~~Deflector~~ _____

Star. Draghead Ø Deflector OK Ø

Forward Loader Ø 2 piece wood, sargassum

~~Mid Loader~~ _____

~~Aft Loader~~ _____

~~Overflow Main~~ _____ Overflow Port _____ Overflow Star. _____

Comments (endangered species obs, dredged material, biological obs, etc.)

DIGGING 'CLEAN' MUD.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
TT	1	0730 mid channel - outbound assoc. w/ shrimpboat
TT	2	0745 "
TT	6-8	1330 300' NE of Sandy Is. Lighthouse - green tow

Observers on duty Jen Gatzke

Endangered Species Observer Program

Dredge: Columbia

Project: Mobile Ship Channel

Date: 07/03/03

Load # 883 Start 0226 End 0304 Dump 0521-0525

Load # 884 Start 0720 End 0749 Dump 1003-1007

Load # 885 Start 1200 End 1242 Dump 1447-1451

886 1706-1745 / DUMP 1947-1951

Location (Lat-Long / Stations) -3+00 → 3+00

Weather MOSTLY CLOUDY w/ RAIN, VARIABLE WIND (WSW) 5-10, Sea 2-3.

Water Temp. Surface 81-82°F @ 1230 Below Mid Depth _____ Tide _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological observations-screening condition

~~Port Draghead~~ _____ ~~Deflector~~ _____

Star. Draghead Ø Deflector OC

Forward Loader Ø

~~Mid Loader~~ _____

~~Aft Loader~~ _____

~~Overflow Main~~ _____ Overflow Port _____ Overflow Star. _____

Comments (endangered species obs, dredged material, biological obs, etc.)

DIGGING MUD w/ ALMOST NO DEBRIS

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
LT.	1	1330 leaving Channel

Observers on duty GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 07/04/03

Load # 888 — 0247-0325 — 0536-0540
889 — 0735-0810 — 1019-1023
890 — 1219-1251 — 1507-1511
891 1717-1748 / 1951-1955

Start End Dump

Location (lat/long, stations) -3+00 → 30+00 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) P.CLOUDY w/RAIN, SW 10-20, sea 2-

Water Temp., Surface 80-81°F @ 1230 Below Mid-Depth

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead Ø Deflector Ø OK

Port Inflow, Fore big piece wood-held door open-removed (889)

~~Port Inflow, Aft~~

Stbd Inflow, Fore Mid

Stbd Inflow, Aft

Port Overflow, Primary Secondary

Stbd Overflow, Primary Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
TT	1	0900 in channel-outbound
TT	2	1030 at dump

Observer(s) on duty GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: COLUMBIA

Project: Mobile Ship Channel

Date: 07 / 05 / 03

893 — 0250-0324 — 0531-0535

Load # 894 — Start 0731 End 0805 Dump 1012-1016

895 — 1225-1310 — 1518-1522

Location (lat/long, stations) CLOUDY, SE WIND 5-10, SEA 2-3 Tide Stage

Weather (wind dir, beaufort, sea state, temp, etc.) CLOUDY, SE WIND 10-15 kt, SEA 0-1'

Water Temp., Surface 81°F @1200 Below Mid-Depth

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ ~~Deflector~~

Stbd Draghead 0 Deflector OK

Port Inflow, Fore piece of rubber, piece of wood Mid

Port Inflow, Aft

Stbd Inflow, Fore Mid

Stbd Inflow, Aft

Port Overflow, Primary Secondary

Stbd Overflow, Primary Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

1 piece of debris each load. Planning to leave future debris in race in order to plug up a ~5" gap along the gate closure (opening due to gate bending over time)

OBSERVED LOADS 893-896

#896 1722-1757 / DUMP 1958-2002 No samples in box or drag

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
ft.	2	dig site 0745

Observer(s) on duty GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: ~~Columbia~~

Project: Mobile Ship Channel

898 0259-0330 → DUMP 0536-0540
899
900

Date: 07 / 06 / 03

Load # 900 Start 1230 End 1305 Dump 1509-1513

0745 0816 1023-1027

Location (lat/long, stations) -3+00 → 30+00 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) PARTLY CLOUDY, ENE 5-10 kt, sea 1'

Water Temp., Surface 82-83°F @1800 Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ ~~Deflector~~ _____

Stbd Draghead Ø Deflector OK

Port Inflow, Fore WOOD Mid _____

~~Port Inflow, Aft~~ _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

Load # 901 1715-1749 DUMP 1953-1957

NO DEBRIS TO SPEAK OF

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
~~PP~~	2-4	1530 by buoy 3 (green)

Observer(s) on duty GATZKE

Endangered Species Observer Program

Dredge: Columbia

Project: Mobile Ship Channel

Date: 07/02/03

Load # 903 Start 0244 End 0316 Dump 0521-0525

Load # 904 Start 0723 End 0754 Dump 0957-1001

Load # 905 Start 1208 End 1242 Dump 1445-1449

Location (Lat-Long / Stations) -3+00 → 30+00

Weather PARTLY CLOUDY w/some little rain, E WIND 10-15, SEA 2-3'

Water Temp. Surface 82°F Below Mid Depth _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological observations-screening condition

~~Port Draghead~~ _____ ~~Deflector~~ _____

Star. Draghead Ø Deflector OK

port Loader Ø

~~Loader~~ _____

~~Loader~~ _____

~~Overflow~~ _____ ~~Overflow~~ _____ ~~Overflow~~ _____

Comments (endangered species obs, dredged material, biological obs, etc.)

904 1655-1725 dump

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
TT	2-3	1000 at dump site - assoc. w/ shrimp boats.
TT	3	1630 at mid Bay Lighthouse.

Observers on duty Gattke

Endangered Species Observer Program

Dredge: Columbia

Project: Mobile Ship Channel

Date: 07/08/03

Load # 908 Start 0208 End 0234 Dump 0449-0453

Load # _____ Start _____ End _____ Dump _____

Load # _____ Start _____ End _____ Dump _____

Location (Lat-Long / Stations) -3+00 ⇒ 30+00

Weather PARTLY CLOUDY

Water Temp. Surface _____ Below Mid Depth _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological observations-screening condition

~~Port Draghead~~ _____ ~~Deflector~~ _____

Star. Draghead Ø Deflector OK

Loader Ø

~~Loader~~ _____

Loader _____

~~Overflow~~ _____ Overflow _____ Overflow _____

Comments (endangered species obs, dredged material, biological obs, etc.)

After load 908 headed to dock for fuel - at dock until 07/09 late evening. No loads dug on 7/09.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observers on duty GATZKE

Endangered Species Observer Program

Dredge: Columbia

Project: Mobile Ship Channel

Date: 07/10/03

Load # 910 Start 0610 End 0643 Dump 0847-0851

Load # 911 Start 1100 End 1133 Dump 1335-1339

Load # 912 Start 1557 End 1624 Dump 1826-1830

Location (Lat-Long / S: — 3+mi → 30 +mi

Weather PARTLY CLOUDY, SW WIND 10-15, SEAS 2'

Water Temp. Surface 84° F @ 1615 Below Mid Depth _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological observations-screening condition

~~Port Draghead~~ _____ ~~Deflector~~ _____

Star. Draghead crabpot Deflector OK

Forward Loader carboat battery, sargassum (load 911)

~~Mid Loader~~ _____

~~Aft Loader~~ _____

~~Overflow~~ _____ Overflow _____

Comments (endangered species obs, dredged material, biological obs, etc.)

Load 909 0020-0051 / dump 0310-0315 Not inspected first load dug since port break.

Observer loads dug today 909-913.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
TT	2	southern 1/2 of bay
TT	1	mid ~~channel~~ bay - assoc w/ shrimp boat

Observers on duty GATES

Endangered Species Observer Program

Dredge: Columbia

Project: Mobile Ship Channel

Date: 07/11/03

Load # 915 Start 1200 End 1239 Dump 1439-1443

*Load # 916 Start 1636 End 1724 Dump 1903-1907

Load # _____ Start _____ End _____ Dump _____

Location (Lat-Long / Stati *3+00 → 30+00 NEW AREA = 980+00 → 1040+00

Weather PARTLY CLOUDY, VARIABLE WIND 5 kt, sea 0-1'

Water Temp. Surface 84°F Below Mid Depth _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological observations-screening condition

~~Port Draghead~~ _____ ~~Deflector~~ _____

Star. Draghead Ø Deflector OK

Forward Loader Ø

~~Mid Loader~~ _____

~~Aft Loader~~ _____

~~Overflow~~ _____ Overflow _____

Comments (endangered species obs, dredged material, biological obs, etc.)

All morning spent in dig area - repairs being made to pump.

* START TO DIG IN NEW SECTION 2.9 mi south in main channel. 980+00 → 1040+00

LOADS DUG TODAY = 914 → 916

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
TT	3	3 in dig area.
"	1	1 [illegible] Sand Is.

Observers on duty GATTKE

Endangered Species Observer Program

Dredge: Columbia

Project: Mobile Ship Channel

Date: 07/12/03

Load # 919 Start 0705 End 0733 Dump 0931-0935

Load # 920 Start 1130 End 1207 Dump 1343-1347

Load # 921 Start _____ End _____ Dump _____

Location (Lat-Long / Stations) 980+00 → 1040+00

Weather PARTLY CLOUDY, variable wind 5-10, sea 0-1' at dig site.

Water Temp. Surface 84°F Below Mid Depth _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological observations-screening condition

~~Port Draghead~~ _____ ~~Deflector~~ _____

Star. Draghead cable Deflector OK

Forward Loader fabric, clay

~~Mid Loader~~ _____

~~Aft Loader~~ _____

~~Overflow~~ _____ Overflow _____

Comments (endangered species obs, dredged material, biological obs, etc.)

#920 clay chunks are holding the gate open ~ 6" - the pin holding the gate closed has slowly been bending, allowing the gate to open. Screening efficiency compromised. Gate pin to be rewelded ~~within~~ before next load. DONE! :)

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
TT.	2	in bow wave of Wheeler

Observers on duty GATZKE

Endangered Species Observer Program

Dredge: Columbia

Project: Mobile Ship Channel

Date: 01/13/03

Load # 924 Start 0432 End 0504 Dump 0652-0656

Load # 925 Start 0826 End 0902 Dump 1049-1053

Load # 926 Start 1231 End 1310 Dump 1450-1454

927 1654 1731 1904-1908

Location (Lat-Long / Stations) 980-1040+00

Weather PARTLY CLOUDY, SSE 15-20, SEA 1-3'

Water Temp. Surface 83°F @ 1200 Below Mid Depth _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological observations-screening condition

~~Port Draghead~~ _____ ~~Deflector~~ _____

Star. Draghead Ø Deflector _____

Loader small piece of crab trap w/ wood

~~Loader~~ _____

Loader _____

~~Overflow~~ _____ Overflow _____ Overflow _____

Comments (endangered species obs, dredged material, biological obs, etc.)

LOADS FOR DAY - #923-928

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments

Observers on duty GATTKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 07 / 14 / 03

Load # * 930 Start 0454 End 0529 Dump 0723-0727

Location (lat/long, stations) 980 → 1040 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) CLOUDY, ESE 15-20, SEA 2'

_____ Water Temp., Surface 4T-Storms Below Mid-Depth _____

83°F

Are there incidents involving endangered or protected species? YES **NO**

Note biological samples:

~~Port Draghead~~ _____ ~~Deflector~~ _____

Stbd Draghead Ø Deflector OK

Port Inflow, Fore Ø Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

DUMP

* 931 0855-0937 1131-1135

932 1310-1350 1526-1530

Loads for day 929-934

0 INSPECTED 930-932

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
++	3	mid bay

Observer(s) on duty GATZKE

FROM : Coastwise / NEAq [Slay] PHONE NO. : 9042774829 DEC. 09 2001 02:38PM P2

912 Kat
961-6783
marineturtle newsletter (search)
seaturtles.org
U of FL site
Seaturtle online bibliography

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia
Project: Mobile Ship Channel
Date: 07 / 15 / 03

Load # * 936 Start ~~[illegible]~~ 0532 End 0607 Dump 0759-0803
Location (lat/long, stations) 980 → 1040 Tide Stage
Weather (wind dir, beaufort, sea state, temp, etc.) CLOUDY, ESE 5-10, SEA 0-2'
Water Temp., Surface Below Mid-Depth

Are there incidents involving endangered or protected species? YES NO

Note biological samples:

~~Port Draghead~~ ~~Deflector~~
Stbd Draghead Ø Deflector OK
Port Inflow, Fore Ø Mid
~~Port Inflow, Aft~~
~~Stbd Inflow, Fore~~ Mid
~~Stbd Inflow, Aft~~
~~Port Overflow, Primary~~ Secondary
~~Stbd Overflow, Primary~~ Secondary

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

* 937 0939-1019 1204-1208
938 1353-1423 1602-1606

DUG FOR DAY 935→939

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
TT	2	0715 mid bay
TT	1	1105 buoy 26 - assoc w/ shrimpboat
TT	2	by Ft. Morgan - assoc w/ shrimpboat

Observer(s) on duty GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 07 / 16 / 03

Load # 942 * Start 0645 End 0717 Dump 0904-0908

Location (lat/long, stations) 980 → 1040 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) P.CLOUDY, ESE WINDS 5-10, CALM

_____ Water Temp., Surface 83°F Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES (NO)

Note biological samples:

~~Port Draghead~~ _____ ~~Deflector~~ _____

Stbd Draghead Ø Deflector OK

Port Inflow, Fore Ø Mid _____

~~Port Inflow, Aft~~ _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

~~Port Overflow~~, Primary _____ Secondary _____

~~Stbd Overflow~~, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

* 943 1102-1136 1420-1430

944 1640-1659 1930-1934

DUG LOADS 940 → 945 for day INSPECTED 942-944 (3 of 6)

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
TT	3-5	0750 buoy 32
TT	3	0700 mid bay

Observer(s) on duty GATZKE

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge: Columbia

Project: Mobile Ship Channel

Date: 07 / 17 / 03

Load # 947 * Start 0545 End 0621 Dump 0807-0811

Location (lat/long, stations) 980+00 → 1040+00 Tide Stage _____

Weather (wind dir, beaufort, sea state, temp, etc.) PARTLY CLOUDY, VARIABLE 5-10, CALM

_____ Water Temp., Surface _____ Below Mid-Depth _____

Are there incidents involving endangered or protected species? YES **(NO)**

Note biological samples:

~~Port Draghead~~ _____ ~~Deflector~~ _____

Stbd Draghead Ø Deflector OK

Port Inflow, Fore rope, Mid _____

Port Inflow, Aft _____

Stbd Inflow, Fore _____ Mid _____

Stbd Inflow, Aft _____

Port Overflow, Primary _____ Secondary _____

Stbd Overflow, Primary _____ Secondary _____

Comments (material being dredged, effectiveness of screening, additional info on by-catch, incidents, etc.):

(946 → 950 FOR DAY)

	DIG	DUMP
* 948	0950-1026	1214-1218
949	1411-1451	1632-1636

* Schools of fish 2x throughout day - at dump. Saw visible signs of schools of fish at surface! In assoc. w/ T+. - same time - same general area.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
ft	5-6	at dump 1215 tight cluster - funny spyhopping behavior (I've never seen w/ dolphins - one would poke head out + fall back down)

Observer(s) on duty GATZKE

Endangered Species Observer Program

Dredge: Colombia

Project: Mobile Ship Channel

Date: 07/18/03

Load # 953 Start 0632 End 0707 Dump 0851 - 0855

Load # 954 Start 1031 End 1107 Dump 1257 - 1301

Load # 955 * Start 1448 End 1527 Dump 1707 - 1711

Location (Lat-Long / Stations) 980+00 => 1040+00

Weather MOSTLY CLEAR, SSW 5 → VARIABLE, CALM!!

Water Temp. Surface 83°F Below Mid Depth

@ 1200 + 1500

Are there incidents involving endangered or protected species? Yes (No)

Note biological observations-screening condition

~~Port Draghead~~ ~~Deflector~~

Star. Draghead ∅ Deflector —

Loader plastic, wood

~~Loader~~

Loader

Overflow Overflow Overflow

Comments (endangered species obs, dredged material, biological obs, etc.)

(FOR DAY 951 - 956)

~~DUMP~~ DUMP

~~DUMP~~ *956 1857 - 1936 - --- 2115 - 2119

1100 COE inspector Russell Dyess brings copy of SPECS onboard + says coverage is supposed to be 100%. Interesting....

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
##	2	at dump
##	2-4	mid Bay

Observers on duty GATZKE

Endangered Species Observer Program

Dredge: Columbia

Project: Mobile Bay Ship Channel

Date: 7/19/20

Load # 958 Start 0306 End 0341 Dump 0524-0528

Load # 959 Start 0705 End 0746 Dump 0926-0930

Load # 960 * Start 1109 End 1146 Dump 1337-1341

Location (Lat-Long / Stations) ~~#~~ 980+00 → 1040+00

Weather P.CLOUDY, WNW WIND 10-15, SEA 1-3'

Water Temp. Surface 84°F Below Mid Depth _____

Are there incidents involving endangered or protected species? Yes (No)

Note biological observations-screening condition

~~Port Draghead~~ _____ ~~Deflector~~ _____

Star. Draghead ⊘ Deflector ⊘

Loader ⊘

~~Loader~~ _____

Loader _____

~~Overflow~~ _____ Overflow _____ Overflow _____

Comments (endangered species obs, dredged material, biological obs, etc.)

LAST DAY OF JOB. LAST LOAD TO BE DUG THIS ~~AFTERNOON~~ EVENING AT 2300.

LOADS DUG FOR DAY (957-963) INSPECTED 4 OF 7.

*961 = last load inspected.

962

963 Last load of job.

Bridge Watch Summary

Species	# of Animals	Time / Location / Comments
TT	8-10	mid bay - crossing channel to west
black terns	50-100	flocks of terns in breeding + molting plumage surface feeding at fish school sites - shouldn't be here this time of year - weird?

Observers on duty Jen Gatzke

ERIC 904-553-9295
Call if you have any Questions.

Jcn

Make 2 copies of daily, one in capts door one on corp desk. copies made in capts room. Need to make lots of copies go to chiefs room to make copies.

you start new week and daily 6-30. ~~[illegible]~~

50% coverage on the Job. you decide the loads you want to check.

I check the cage most of the time after they dump and wash cage. Rarley do you need to go in and clean. Been digging very clean areas.

All the crew are very nice, should be nice job for you.

Ive done over 50% coverage if you ever need it. I did 124 Load 73 covered

6-12
mate matt
Drag Ramon
Ab Melvin

12-6
Phil
lester
Vaughn

cook sam
corp Josh nites
Inspector John Days