भारतीय अन्तर्देशीय जलमार्ग प्राधिकरण

( पोत परिवहन मंत्रालय, भारत सरकार) मुख्यालय : ए-13, सैक्टर-1, नौएडा-201 301, (उ. प्र.)

**INLAND WATERWAYS AUTHORITY OF INDIA** 

(Ministry of Shipping, Govt. of India) Head Office : A-13, Sector-1, Noida-201 301 (U.P.) Website : www.iwai.gov.in | www.iwai.nic.in

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F. No. IWAI/HY/E-INICIATIVE/2020-21-Part(2)

Dated: 18<sup>th</sup> May, 2021

## CIRCULAR

Sub.: Standard Operating Procedure (SOP) for PANI Portal - reg.

The Competent Authority has approved the Standard Operating Procedure (SOP) for PANI Portal. A copy of the same is enclosed herewith for information and implementation by all the concerned officials.

(A. Selväkumar) Director (Hy. & Vig.) Email Id: <u>aselvakumar.iwai@nic.in</u> Phone No. 0120-2544040

Encl:- As stated above

## Copy to (By E-Mail):

- Chief Engineer (Tech)/ Chief Engineer-P.M (JMVP)/ Hydrographic Chief/ Dy. Secretary, (P & C and IT)/ CAO (I/C)/ Director (M)/ Director (NER)/ Director (Tr. & L)/ Director (Tech.)/ Deputy Director (NER)/ Deputy Director (Tech), / Deputy Director & R.E., / A.S (A&R), A.S (Estt.), IWAI, Noida.
- ii. Director, IWAI, Kolkata/ Kochi/ Guwahati, Vijayawada
- iii. Dy. Director, IWAI, Patna
- iv. Office In-Charge, NINI, Patna
- v. Sub Office Varanasi, Allahabad, Sahibganj, Bhubaneshwar, Dibrugarh, Dhubri.
- vi. IT Cell For uploading on IWAI Website
- vii. Hindi Cell For Hindi Translation
- viii. Master Copy / Office Copy

## **Copy for Information to (By E-Mail):**

P.P.S./P.S./P.A. to Chairperson/ Vice-Chairman/ Member (Finance)/ Member (Technical)/ Member (Tr. & L)/, Secretary, IWAI, Noida.

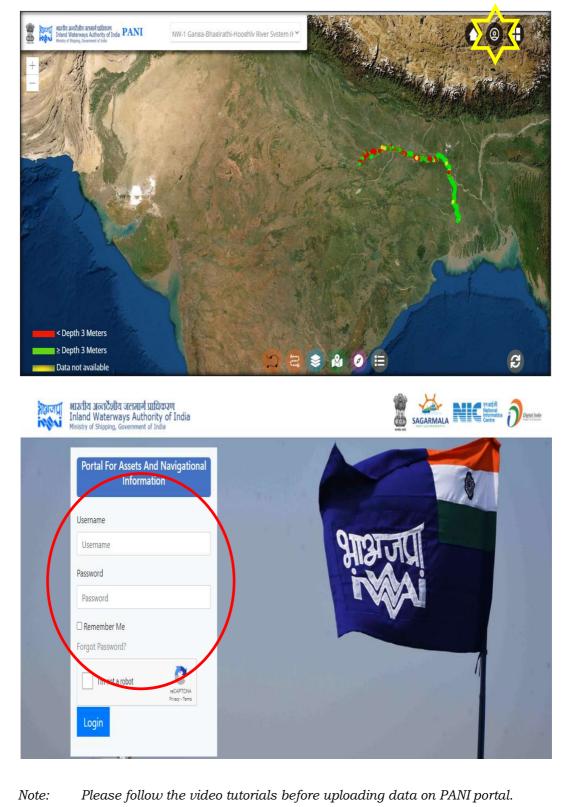


1. For Navigation related information, designated Hydrographic Surveyors after Hydrographic-Survey/Thalweg-Survey shall sort out survey data and process the data including removal of Navigation spikes and Sounding spikes, if any. The processed data to be sorted with 25 mtr spacing/interval.

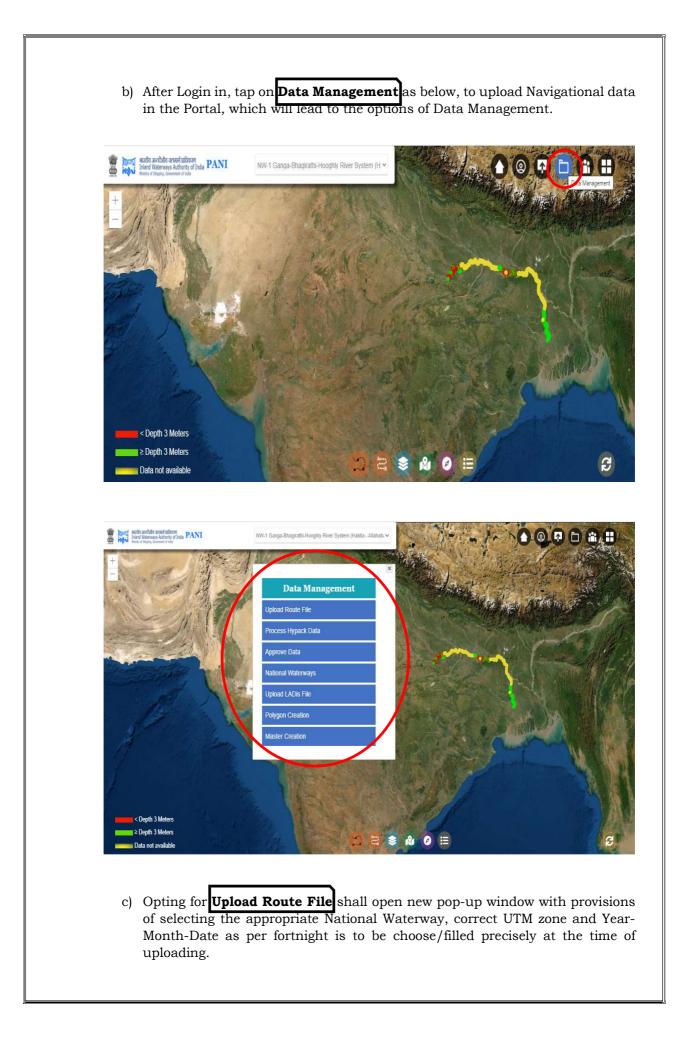
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Note: File naming of .xyz file should contain (FN num – Month- Year- from place – to – to place). Example – 01 FN MAR 2021 PAT TO BAR. No special character should be present in the file name. Any other file name is strictly not permitted. The abbreviations of places are the first 03 letters of the Place name.

- 2. (i) Uploading Navigational data on PANI portal
  - a) Admin Login the portal, as starred/indicated below:



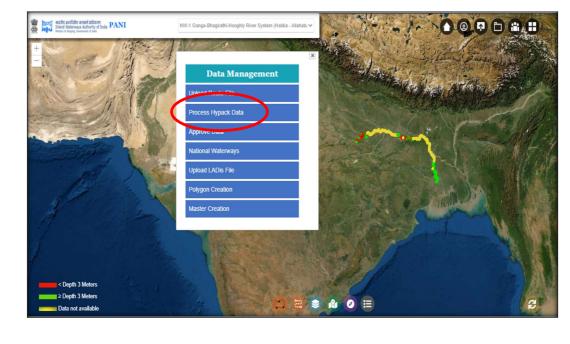




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Comparison of the second se	21         22         23         24         25         26         27           28         29         30         31		

- e) After choosing file from Choose File the system requires default time to upload the data in the Portal.
  - e) Uploaded data should be cross-checked by the Director at the respective Regional Offices at the initial stage during compilation and shall also be checked at the viewing Pan after uploading of data in the portal.
  - f) Data uploading on PANI portal should be completed within 03 days of the survey and completion report is to be made available to the Hydrographic Chief, IWAI Noida, on the same day.
  - g) For RIS stations, any change in operator and contact nos. are to be intimated to Hydrographic Chief, IWAI Noida.
- 2. (ii) Process Hypack Data

This tab shows the processed Hypack data uploaded in the Portal.



			Hypack File Details				
ʻiles U <sub>l</sub>	ploaded						
ID	Month	FN	Filename	Data For	Uploaded By	Date	Action
18482	April	1	1st FN TS KAHALGAON SULTANGANJ APRIL 2021(final).xyz	NW1 2021 April 1 temp	Poojan Kumar	2021- 04-16	Delete
18481	April	1	1st FN TS PATNA BARH APRIL 2021(Final).3yz	NW1 2021 April 1 temp	Poojan Kumar	2021- 04-16	Delete
18480	April	1	1st FN TS Rout 25 MMT Ramnagar to Chunar April 2021.xyz	NW1 2021 April 1 temp	Amit Das	2021- 04-16	Delete
18479	April	1	MBS-SUL-MAHE 2nd WEEK April-2021 @17m.xvz	NW1 2021	Poojan	2021-	Delete

3. Uploading of data and information related to National Waterways Assets and Navigational information in the portal:

April 1

Kumar

04-16

a) **Upload Data** tab provides workspace for uploading or input of data related to Terminals, Navigation Aids & Facilities, Lockgate Infrastructure, Cross Waterway Structure, Active Dredging Works, Pilotage, Tugs, RIS Stations, Badaling Works, Ship Repair Facilities, River Training Works, Fairway Bends and Emergency contacts.



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A Contraction	Lockgate Infrastructure	
	Cross Waterway Structures	
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	Bandalling Works	
1	Ship Repair Facilities	
	River Training Works	
	Fairway bends	

b) For example, the input form for terminal (s) is opened in a pop-up window as follows, on opting for **Terminal** tab

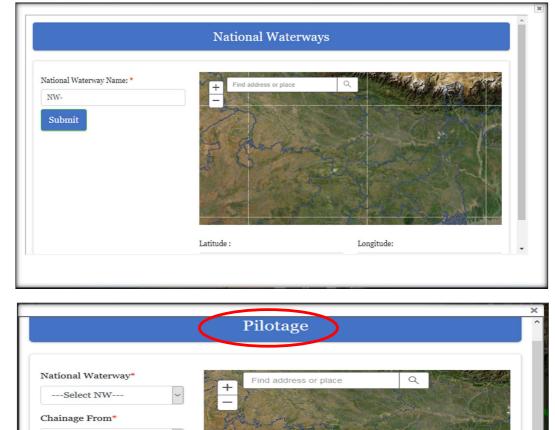
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c) Similarly, all other information and data related to other requisite assets shall be uploaded under their specific tabs, *viz.* 

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1	NW-86 Rupnarayan River	22.3268	87.9487	Active	2
2	NW-1 Ganga-Bhagirathi-Hooghly River System (Haldia - Allahabad)	25.2545	86.7364	Active	2
3	NW-2 Brahmaputra River (Dhubri - Sadiya)	26.616	92.8081	Active	Ø
4	NW-3 West Coast Canal	9.52518	76.359	Active	2
5	NW-97 Sunderbans Waterway	21.9204	88.697	Active	Ø
6	NW- IBP Route no 9 & 10	23.7889	76.4122	Active	2
7	NW-9 Alappuzha- Kottayam – Athirampuzha Canal	9.48856	76.4122	Active	Z
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Receipt No : 435606/2021/IWAI-MTR

Location     Vertical Clearance     Horizontal Clearance       Sub Asset Type    Select Sub Asset     >       Add New    Select Sub Asset     >       Name *     Type of facility with name     Statud     Statud       Chainage*     Latitude :     Longitude:	Cr	oss Waterway Struct	ture
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Sub Asset Type  Select Sub Asset   Add New   Name*   Type of facility with name   Chainage*  Select Chainage   Vertical Clearance (Meters):   Location*   Location   Vertical Clearance   Type*   Concerned Govt./ Pvt. Agency   RO/SO:  Select Type	Location*	Vertical Clearance(Meters):	Horizontal Clearance(Meter
Select Sub Asset       Add New         Name *       Stots         Type of facility with name       Stots         Chainage*       Latitude :        Select Chainage       Latitude :         Location*       Vertical Clearance(Meters):         Location       Vertical Clearance         Type*       Concerned Govt./ Pvt. Agen        Select Type       Concerned Govt./ Pvt. Agen	Location	Vertical Clearance	Horizontal Clearance
Select Sub Asset          Add New       Stot         Name*       Stot         Type of facility with name       Stot         Chainage*       Latitude :        Select Chainage          Location*       Vertical Clearance(Meters):         Location       Vertical Clearance         Type*       Concerned Govt./ Pvt. Agency        Select Type			
Select Sub Asset       >         Add New       Name         Type of facility with name       Stord         Chainage*       Latitude :        Select Chainage       >         Location*       Vertical Clearance(Meters):         Location       Vertical Clearance         Type*       Concerned Govt./ Pvt. Agency        Select Type       >	Sub Asset Type	Satro	State - Lot
Name *       Storad         Type of facility with name       Storad         Chainage*       Latitude :        Select Chainage       Image:         Location*       Vertical Clearance(Meters):         Location       Vertical Clearance         Type*       Concerned Govt./ Pvt. Agency        Select Type       Concerned Govt./ Pvt. Agen	Select Sub Asset ~		1000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Type of facility with name       State       State         Chainage*       Latitude :       Longitude:        Select Chainage       ✓       ✓         Location*       Vertical Clearance(Meters):       Horizontal Clearance(Meters):         Location       Vertical Clearance       Horizontal Clearance         Type*       Concerned Govt./ Pvt. Agen       RO/SO:        Select Type       ✓       Concerned Govt./ Pvt. Agen      Select Office	Add New	ALC: STOR	Stort Shore
Type of facility with name       Model         Chainage*       Latitude :        Select Chainage       Vertical Clearance(Meters):         Location*       Vertical Clearance         Location       Vertical Clearance         Horizontal Clearance         Type*       Concerned Govt./ Pvt. Agen        Select Type       Concerned Govt./ Pvt. Agen		Proved Pr	
Select Chainage       >         Location*       Vertical Clearance(Meters):         Location       Vertical Clearance         Horizontal Clearance         Type*         Concerned Govt./ Pvt. Agen        Select Type	Type of facility with name	Kana V	
Location*       Vertical Clearance(Meters):       Horizontal Clearance(Meters):         Location       Vertical Clearance       Horizontal Clearance         Type*       Concerned Govt./ Pvt. Agency       RO/SO:        Select Type       Concerned Govt./ Pvt. Agen      Select Office	Chainage*	Latitude :	Longitude:
Location     Vertical Clearance     Horizontal Clearance       Type*     Concerned Govt./ Pvt. Agency     RO/SO:      Select Type     ✓     Concerned Govt./ Pvt. Agen    Select Office	Select Chainage 🗸		
Type*     Concerned Govt./ Pvt. Agency     RO/SO:      Select Type     ~     Concerned Govt./ Pvt. Agen    Select Office	Location*	Vertical Clearance(Meters):	Horizontal Clearance(Meters
Select Type  Concerned Govt./ Pvt. AgeiSelect Office	Location	Vertical Clearance	Horizontal Clearance
	Type*	Concerned Govt./ Pvt. Agency	RO/SO:
Submit	Select Type ~	Concerned Govt./ Pvt. Agei	Select Office
Submit	Quiline:		
	Submit		
		ockgate Infrastructu	ıre
Lockgate Infrastructure			
Lockgate Infrastructure	National Waterway*	Find address or place	Q 700 - 1274 -
National Waterway*	Select NW ~	+	STOLE AND A
National Waterway*	Sub Asset Type	-	CARTA
National Waterway* Select NW  +  Find address or place	Select Sub Asset ~	Man Yerre	22 / Carte
National Waterway* Select NW Sub Asset Type Select Sub Asset		100	and the second second
National Waterway*  Select NW   Sub Asset Type  Select Sub Asset   Add New		· · · · · · · · · · · · · · · · · · ·	
National Waterway* Select NW Sub Asset Type Select Sub Asset Add New Chainage*	Chainage*	276228	
National Waterway* Select NW Sub Asset Type Select Sub Asset Add New	Chainage*	Logist	
National Waterway* Select NW Sub Asset Type Select Sub Asset Add New Chainage*	Chainage* Select From V	Latitude :	Longitude:

Chainage\*

Add New

Location

00:00

Emergency POC Emergency POC

National Waterway\*

---Select NW---Chainage From\*

----Select From----

---Select To---Target LAD (Meters):

Target LAD

Chainage To\*

---Select From---Operator's Details:

----Select Operator----

**Operation Timings From:** 

~

~

~

~

~

~

Latitude :

00:00

+

Dimension LxBxH (in Rmt.):

Active Dredging works

Find address or place

Details of Dredging Contractor:

Details of Dredging Contractor

Dimension LxBxH:

Operation Timings To

Longitude:

(Minutes):

00:00

Submit

Q

~

Vessel Size Limitations:

Vessel Size Limitations

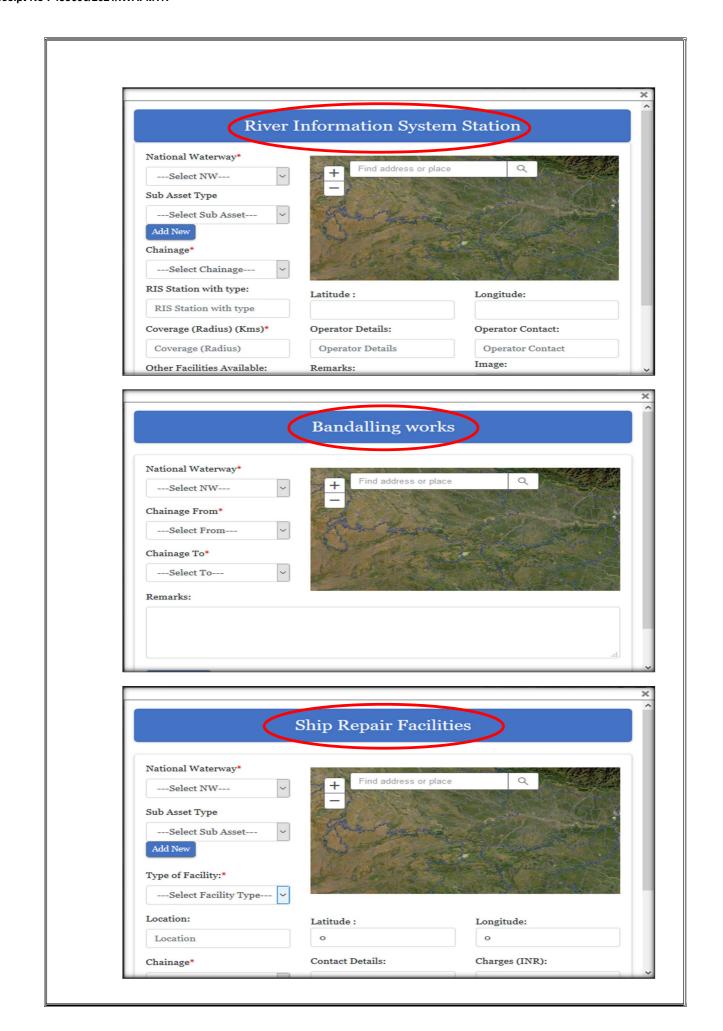
Avg Time Required To Pass

~

×

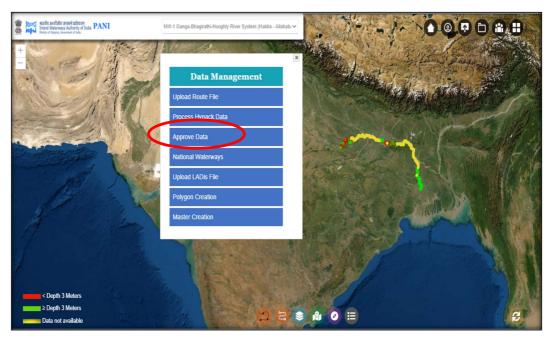
2	1	

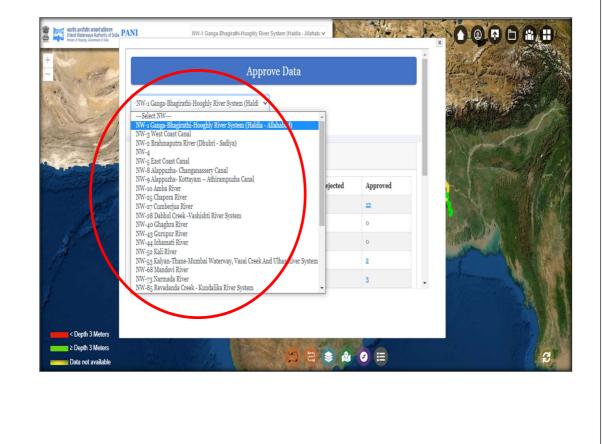
National Waterway *	+ Find address or place	9
Select NW		
Select From	Mary and	
Chainage To*	North and	
Select To		
Location:	Details of Tugs:	Contact Information:
Location	Details of Tugs	Contact Information
Vessel Operator Details:	Carbonit	
Vessel operator details	Submit	



Sub Asset TypeSelect Sub Asset Add New Type of Facility:*Select Facility Type		
Location:	Latitude :	Longitude:
Location	0	0
Chainage*	Contact Details:	Charges (INR):
Select Chainage ~	Contact Details	Charges
Remark:	Other facilities available:	Operator Name:
Remark	Other facilities available	Select Operator Add New
	Fairway Bends	>
National Waterway*	Find address or plac	
Select NW ~	+ + +	
Chainage From*		A CARGA
Select From ~	A Company Maria	
Select From ~ Chainage To*	No.	
	2 Ass	
Chainage To*	Radius of Bends (Meters):	
Chainage To*	Radius of Bends (Meters):	
Chainage To*Select To Location of Bends:		
Chainage To*Select To V Location of Bends: Location of Bends:		ets
Chainage To*Select To Location of Bends: Location of Bends: Submit National Waterway*	• Emergency Contac	
Chainage To*Select To V Location of Bends: Submit	o	
Chainage To*Select To Location of Bends: Location of Bends: Submit National Waterway*Select NW Particulars*	• Emergency Contac	
Chainage To*Select To Location of Bends: Location of Bends: Submit National Waterway*Select NW	• Emergency Contac	
Chainage To*Select To Location of Bends: Location of Bends: Submit National Waterway*Select NW Particulars*	• Emergency Contac	
Chainage To* Select To Location of Bends: Location of Bends: Submit National Waterway* Select NW Particulars* Select Particulars ✓	• Emergency Contac	
Chainage To* Select To Location of Bends: Location of Bends: Submit National Waterway* Select NW Particulars* Select Particulars Chainage From*	• Emergency Contac	
Chainage To* Select To Location of Bends: Location of Bends: Submit National Waterway* Select NW Particulars* Select Particulars Chainage From* Select From ×	• Emergency Contac	

- 4. Approval of Data
  - a) After uploading of Assets and Navigation Data in the Portal as above, the data should be approved by the Admin under the tab **Approve Data** under different National Waterways, prior to display in the Public domain.





b) The admin can also check the data related to Terminals, Navigation Aids & Facilities, Lockgate Infrastructure, Cross Waterway Structure, etc. in terms of Total, Pending, Rejected & Approved in nos. in the particular National Waterway.

<ul> <li>By Substantian and Substantian an</li></ul>	M WW-1 Ganga-Bhagirathi-Hooghly River System (Haldia - Allahato: v Approve Data NW-1 Ganga-Bhagirathi-Hooghly River System (Haldi v Submit					
D	All Assets Name Terminals Navigation Aids and facilities Lockgate Infrastructure	Total <u>10</u> 15 0	Pending 9. 0.	Rejected 6 0	Approved 12 0 0	
< Depth 3 Meters ≥ Depth 3 Meters	Cross Waterway Structures Active Dredging Works	4	<u>8</u> 1	0	2 3	

5. To improve the visibility and ease of doing business, the portal has been designed to provide different genres of Maps as shown below:

AT PERSONAL	Dark Gray Canvas		100 + 100 H 100 H
	Dark Gray Canvas	Imagery	Imagery Hybrid
		22	-
	Light Gray Canvas	Navigation Map	Oceans
	¥.	the to	25
C. March	Streets (Night)	Streets Map	Terrain with Labels
2			
	Topographic World Map		
State of the second sec			
	**	*	