

© International Baccalaureate Organization 2022

All rights reserved. No part of this product may be reproduced in any form or by any electronic or mechanical means, including information storage and retrieval systems, without the prior written permission from the IB. Additionally, the license tied with this product prohibits use of any selected files or extracts from this product. Use by third parties, including but not limited to publishers, private teachers, tutoring or study services, preparatory schools, vendors operating curriculum mapping services or teacher resource digital platforms and app developers, whether fee-covered or not, is prohibited and is a criminal offense.

More information on how to request written permission in the form of a license can be obtained from <https://ibo.org/become-an-ib-school/ib-publishing/licensing/applying-for-a-license/>.

© Organisation du Baccalauréat International 2022

Tous droits réservés. Aucune partie de ce produit ne peut être reproduite sous quelque forme ni par quelque moyen que ce soit, électronique ou mécanique, y compris des systèmes de stockage et de récupération d'informations, sans l'autorisation écrite préalable de l'IB. De plus, la licence associée à ce produit interdit toute utilisation de tout fichier ou extrait sélectionné dans ce produit. L'utilisation par des tiers, y compris, sans toutefois s'y limiter, des éditeurs, des professeurs particuliers, des services de tutorat ou d'aide aux études, des établissements de préparation à l'enseignement supérieur, des fournisseurs de services de planification des programmes d'études, des gestionnaires de plateformes pédagogiques en ligne, et des développeurs d'applications, moyennant paiement ou non, est interdite et constitue une infraction pénale.

Pour plus d'informations sur la procédure à suivre pour obtenir une autorisation écrite sous la forme d'une licence, rendez-vous à l'adresse <https://ibo.org/become-an-ib-school/ib-publishing/licensing/applying-for-a-license/>.

© Organización del Bachillerato Internacional, 2022

Todos los derechos reservados. No se podrá reproducir ninguna parte de este producto de ninguna forma ni por ningún medio electrónico o mecánico, incluidos los sistemas de almacenamiento y recuperación de información, sin la previa autorización por escrito del IB. Además, la licencia vinculada a este producto prohíbe el uso de todo archivo o fragmento seleccionado de este producto. El uso por parte de terceros —lo que incluye, a título enunciativo, editoriales, profesores particulares, servicios de apoyo académico o ayuda para el estudio, colegios preparatorios, desarrolladores de aplicaciones y entidades que presten servicios de planificación curricular u ofrezcan recursos para docentes mediante plataformas digitales—, ya sea incluido en tasas o no, está prohibido y constituye un delito.

En este enlace encontrará más información sobre cómo solicitar una autorización por escrito en forma de licencia: <https://ibo.org/become-an-ib-school/ib-publishing/licensing/applying-for-a-license/>.

Geography
Higher level and standard level
Paper 1 – resource booklet

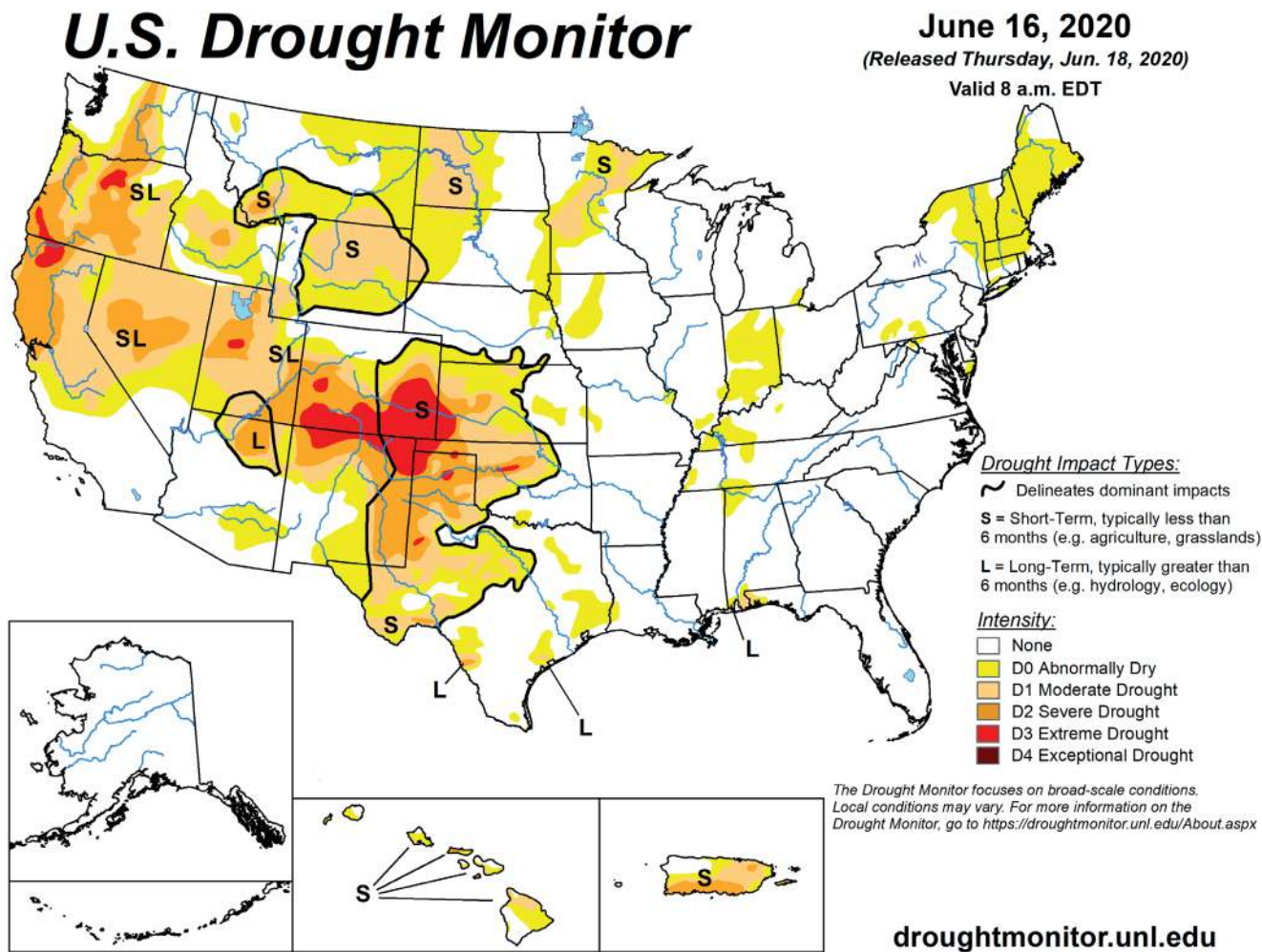
Friday 4 November 2022 (afternoon)

Instructions to candidates

- Do not open this booklet until instructed to do so.
- This booklet accompanies paper 1.

Option A — Freshwater

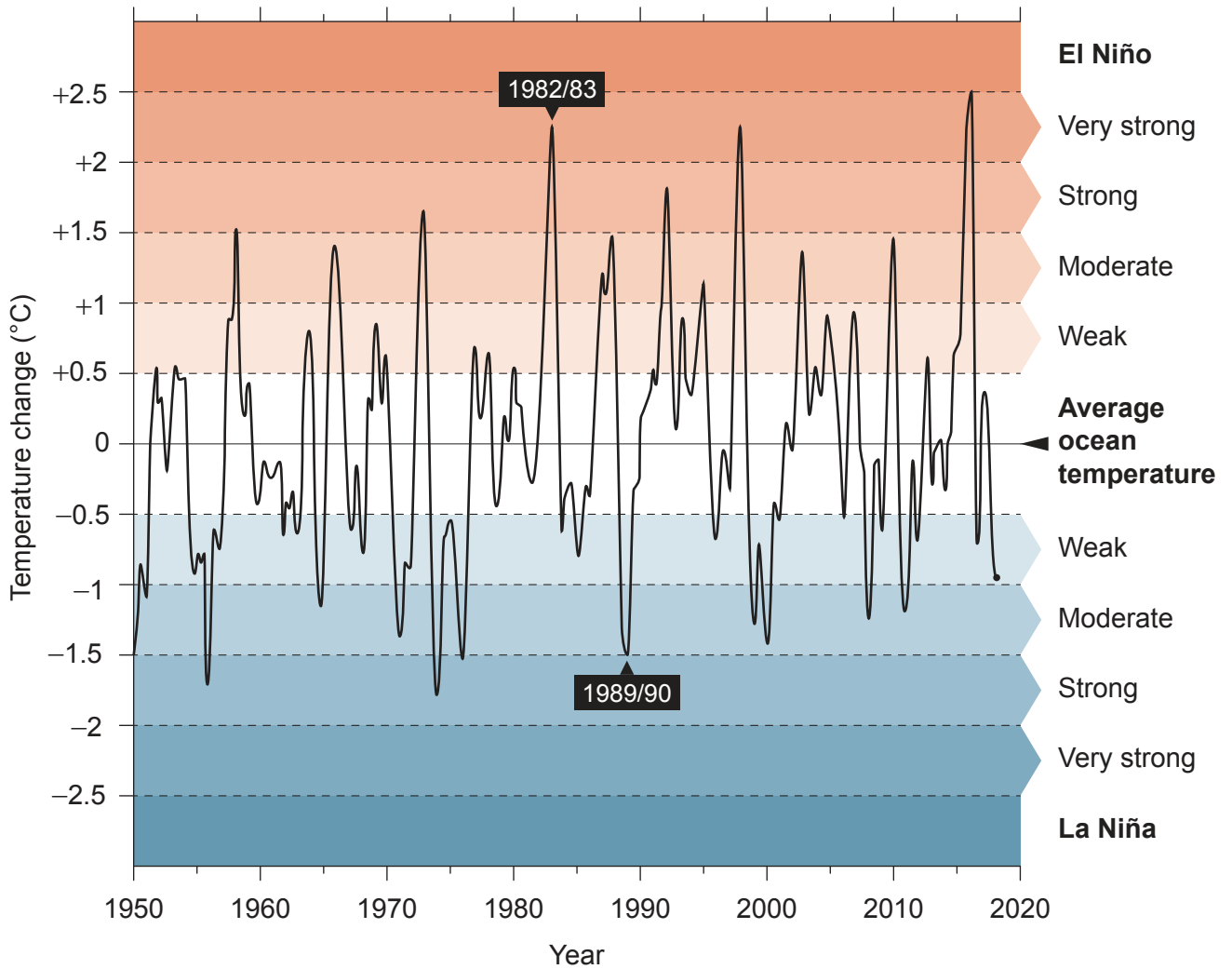
1. The map shows the drought intensity in mainland USA for 16 June 2020.



[Source: The U.S. Drought Monitor is jointly produced by the National Drought Mitigation Center at the University of Nebraska-Lincoln, the United States Department of Agriculture, and the National Oceanic and Atmospheric Administration. Map courtesy of NDMC.]

Option B — Oceans and coastal margins

3. The graph shows changes in ocean temperature associated with El Niño and La Niña from 1950 to 2018.













Turn over

Option E — Leisure, tourism and sport

9. The map shows part of the Grand Canyon National Park in the USA.

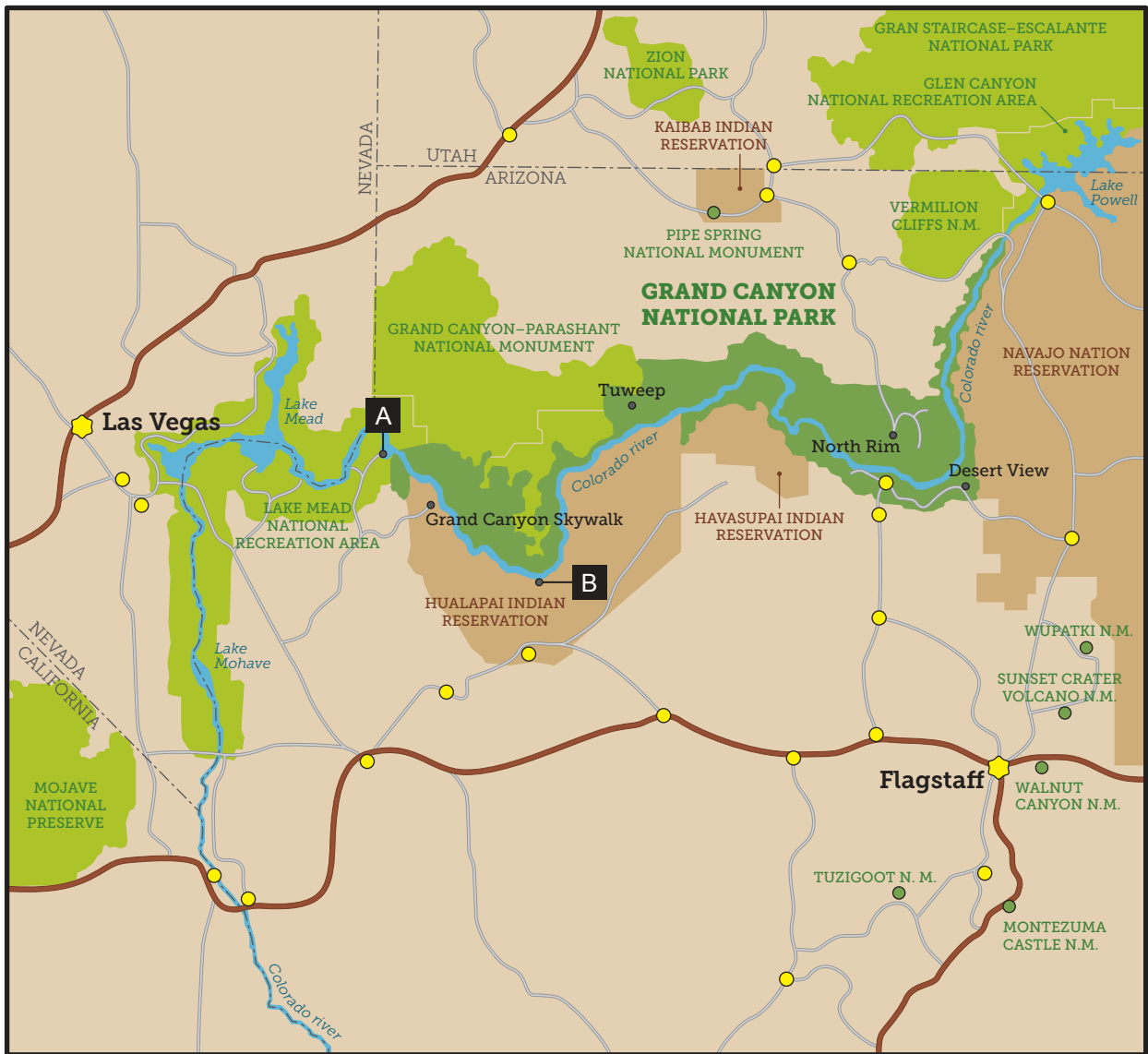
Key:

-  Major highway
-  Road
-  Large city
-  National monument (N.M.)
-  Other settlement
-  Viewpoint
-  Native American reservation
-  River / Lake
-  Grand Canyon National Park
-  Other national park / preserve / recreation area / monument

Scale:



N



Disclaimer:

Content used in IB assessments is taken from authentic, third-party sources. The views expressed within them belong to their individual authors and/or publishers and do not necessarily reflect the views of the IB.

References:

1. The U.S. Drought Monitor is jointly produced by the National Drought Mitigation Center at the University of Nebraska-Lincoln, the United States Department of Agriculture, and the National Oceanic and Atmospheric Administration. Map courtesy of NDMC.
3. NOAA Physical Sciences Laboratory, n.d. *Oceanic Niño Index (ONI)*. [online] Available at: <https://courses.imperativemoocs.com/monitoring-the-oceans-from-space-01/week-1-oceans-andclimate/topic-1f-enso/oceanic-nino-index> [Accessed 7 October 2021] and NASA, *NOAA Oceanic Niño Index Region 3.4. Sea Surface Temperature Anomaly*. [online] Available at: https://svs.gsfc.nasa.gov/vis/a030000/a030900/a030976/ONI_1950-2018_w_map_2018_05_AMJ_print.jpg [Accessed 7 October 2021]. Sources adapted.
9. National Park Service. www.nps.gov. No claim to original U.S. Government works. Source adapted.

All other texts, graphics and illustrations © International Baccalaureate Organization 2022