

Appendix 1

EXICATAS

Distribution and nutrient limitation of surfgrass, *Phyllospadix scouleri* and *Phyllospadix torreyi*, in the lower intertidal and upper subtidal of Baja California (Mexico)

Details of locations and herbarium specimens collected in Baja California peninsula (México) where surfgrass species have been found.

- 1) *Phyllospadix scouleri*. Isla Coronado, B.C. In the south of the island. Bearing fruits. N 32° 23' W 117° 14'. *R. Moran 17482*. 22/04/70 (SD, POM, RSA). *P. scouleri*. Isla Coronado, B.C. Roca Media. N 32° 25' W 117° 15'. *R. Moran 16793*. 3/03/70 (SD).
- 2) *Phyllospadix torreyi*. Punta Descanso, B.C. Bearing flowers. N 32° 16' W 117° 01'. *M. H. Hommersand S/N*. 30/07/69. (SD, DS, POM).
- 3) *P. scouleri*. Playa Campo López, B.C. At 55 km north of Ensenada by the Ensenada-Tijuana panoramic road. N 32° 10' W 116° 55'. *Ramírez 644*. 24/10/96. (MEXU). *P. torreyi* Playa Campo López, B.C. At 55 km north of Ensenada by the Ensenada-Tijuana panoramic road. N 32° 10' W 116° 55'. *Ramírez 645*. 09/04/97. (MEXU).
- 4) *P. torreyi*. El Mirador, B.C. Panoramic road Ensenada-Tijuana. Bearing flowers. N 31° 54' W 116° 39'. *Lot 2720*.
- 5) *P. torreyi*. Bahía Ensenada Todos Santos, Ensenada, B.C. Bearing fruits. N 31° 51' W 116° 46'. *E.Y. Dawson S/N*. 5/01/37. (SD). Ensenada, B.C. N 31° 51' W 116° 46'. *K.*

- Brandege* S/N. 8/01/1893. (DS). *P. torreyi*. Bahía Todos Santos, Ensenada, B.C.
 Bearing flowers. N 31° 05' W 116° 46'. *Donor* S/N. 5/01/34. (SD).
- 6) *P. scouleri*. Punta Morro, Ensenada. B.C. N 31° 52' W 116° 40'. Bearing flowers. *Lot*
 2721.
- 7) *P. scouleri*. Punta Banda, Ensenada B.C. 12 miles south of Ensenada, 2 miles south of
 La Joya in Punta Banda. N 31° 45' W 116° 45'. *J. Henrickson* 4613. 26/04/70. (SD).
- 8) *P. scouleri*. Isla San Martín B.C. Southwest of the lagoon in the island. N 30° 28' W
 116° 06'. *R. Moran* 10568 4/11/63 (SD, DS).
- 9) *P. scouleri*. Isla San Jerónimo , B.C. Bearing flowers and fruits. N 29° 45' W 115° 47'.
R. Moran 10575 (SD, POM, UC, CAS, DS). *P. torreyi*. Isla San Jerónimo, B.C. N 29°
 45' W 115° 47'. *Guzmán del Proó* FAP-296. 13/10/63. (POM).
- 10) *P. scouleri*. Punta San Carlos, B.C. 53 km southeast of El Rosario. Bearing flowers. N
 29° 37' W 115° 29'. *R. Moran* 28939 2/07/80 (SD).
- 11) *P. torreyi*. Isla Guadalupe, B.C. At Punta Oeste. Bearing flowers. N29° 00 W 118° 25'.
Ortiz Q. M. FaP-180. 7/03/65. (DS, POM). *P. torreyi*. Isla Guadalupe, B.C. West of
 the island. N 29° 10' W 118° 16'. *Thoburn, Greene & Wing* S/N. 7/01/1897 (DS,
 POM). *P. torreyi*. Isla Guadalupe, B.C. West of the island. N 28° 58' W 118° 18'. *R.*
Moran 17422. 17/04/70. (DS, POM, ARIZ, RSA). *P. torreyi*. Isla Guadalupe, B.C.
 Northeast of the island. N 29° 09' W 118° 16'. *R. Moran* 18155. 18/08/70. (ARIZ). *P.*
torreyi. Isla Guadalupe, B.C. Northern tip of the island. N 29° 10' W 118° 16'. *R.*
Moran 7843. 29/06/60. (DS.)
- 12) *P. scouleri*. Isla Cedros, B.C.S. At Punta Norte, near the lighthouse. N 28° 17' W 115°
 15'. *Dawson, E. Y.* 10532. 30/10/51. (AHFH, UC). *P. scouleri*. Isla Cedros, B.C.S. At
 northern point of the island. N 28° 17' W 115° 15'. *Dawson, E. Y.* 6506. 5/04/49.

- (AHFH). *P. scouleri*. Isla de Cedros, B.C.S. On the southeast coast. Bearing flowers and fruits. N 28° 08' W 115° 20'. *R. Moran 10780*. 20/04/63 (SD, DS, POM, UC, RSA). *P. scouleri*. Isla de Cedros, B.C.S. South of the bay in the island. N 28° 08' W 115° 20'. *Dawson, E. Y. 9783*. 19/04/51. (AHFH, UC). *P. torreyi*. Isla Cedros, B.C.S. At Punta El Morro. N 28° 00' W 115° 14'. *FaP-1999*. 19/11/65. (DS).
- 13) *P. scouleri*. Isla San Benito, B.C.S. Isla Media. Bearing flowers. N 28° 16' W 115° 21'. *Dawson, E. Y. 9388*. 8/05/50. (AHFH, UC). *P. scouleri*. Isla San Benito, B.C.S. West of the island. Bearing flowers and fruits. N 28° 18' W 115° 35'. *R. Moran 17440*. 19/04/70. (SD, POM, ARIZ, RSA). *P. scouleri*. Isla San Benito, B.C.S. South of Isla Oeste. N 28° 16' W 115° 21'. Bearing flowers. *Silva, P. C. 6442*. 5/02/50. (AHFH). *P. scouleri*. Isla San Benito, B.C.S. West of the island. Bearing flowers. N 28° 18' W 115° 34'. *R. Moran 10742*. 18/04/63. (SD, UC, CAS, DS). *P. torreyi*. Isla San Benito, B.C.S. At Isla de En medio. Bearing flowers. N 28° 18' W 115° 33'. *R. Moran 18400*. 25/05/71. (SD, POM, RSA).
- 14) *P. scouleri*. Isla Natividad, B.C.S. Bearing immature flowers. N 27°51' W 115°10'. *R. Moran 10783* 21/04/63 (SD, DS). *P. scouleri*. Isla Natividad, B.C.S. North of the island. Bearing flowers. N 27°53' W 115°10'. *Ramírez-García. 643*. 16/05/96 (MEXU). *P. torreyi*. Isla Natividad, B.C.S. At Roca María. Bearing flowers and fruits. N 27°54' W 115° 15'. *Osorio Tafall B.F. 7886*. 9/02/46. (AHFH).
- 15) *P. scouleri*. Bahía Sebastián Vizcaíno, Islote Roca Chester, B.C.S.. N 27° 52' W 115° 02'. *Nushul, M. 20491*. 16/08/57. (UC). *P. scouleri*. Punta Morro Santo Domingo, B.C. Near Boca de Laguna Manuela. N 28° 14' W 114° 06'. *Lot 2707; 2710; 2711*. *P. torreyi*. Bahía Sebastián Vizcaino, B.C.S. 10 miles west of Punta Malarrimo. Bearing fruits. N 27° 45' W 114° 50'. *Dawson, E. Y. 9910*. 17/04/51. (AHFH). 16) *P. torreyi*.

- Punta Morro Santo Domingo, B.C. Near Boca de Laguna Manuela. N 28° 14' W 114° 06'. *Lot 2710*.
- 16) *P. torreyi*. Bahía Tortugas o Bahía San Bartolomé, B.C.S. (likely near Bahía Tortugas according to given latitude and longitude). Bearing flowers. N 27° 39' W 114° 52'. J.T. *R. Moran 4188*. 23/05/52. (SD, DS). *P. torreyi*. Bahía San Bartolomé, B.C.S. (likely near Bahía Tortugas). Bearing flowers and fruits. N 27° 39' W 114° 52'. J.T. *Howell 10666*. 14/08/32. (DS). *P. scouleri*. Punta Clambay, B.C.S., Between Punta Tortuga and P. Clambay, near Bahía Tortuga. N 27° 36' W 114° 51'. *Ramírez 656*. 15/03/99. (MEXU). *P. torreyi*. Punta Clambay, B.C.S., Between Punta Tortuga and P. Clambay, near Bahía Tortuga. N 27° 36' W 114° 51'. *Ramírez 657*. 17/03/99. (MEXU).
- 17) *P. scouleri* Bahía La Asunción, B.C.S. Bearing flowers. N 27° 09' W 114° 15'. *Dawson, Y. E. 9155*. 28/04/50 (AHFH).
- 18) *P. scouleri*. Isla La Asunción, B.C.S. N 27° 06' W 114° 16'. *Tafall, O. 7835*. 9/01/46. (UC). *P. scouleri*. Isla Asunción, B.C. N 27° 06' W 114° 18'. R.M. *Beauchamp 2174*. 4/09/71. (SD).
- 19) *P. scouleri*. Isla San Roque, B.C.S. N 27° 07' W 114° 23'. *Osorio Tafall, B. F. 7861*. 9/01/46. (AHFH, UC).
- 20) *P. scouleri*. Estero El Coyote, B.C.S. At 2 to 3 miles northeast of Estero El Coyote. Bearing fruits. N 26° 50' W 113° 33'. *I.L. Wiggins 16247*. 4/04/61 (DS, POM).
- 21) *P. scouleri*. Punta Abreojos, B.C.S. Bearing flowers. N 26° 43' W 113° 35'. *Dawson, E. Y.9453*. 30/04/50. (AHFH).
- 22) *P. scouleri*. Bahía San Juanico, B.C.S. Punta Pequeña. Bearing fruits. N 26° 20' W 112° 30'. *E.Y. Dawson 9225* 1/05/50 (LAM, AHFH).

- 23) *P. scouleri*. Arroyo San Gregorio, B.C.S. Approximately at 4 miles west of Arroyo de San Gregorio fishing camp. N 26° 03' W 112° 17'. Bearing fruits. *Peta J. Mudie* 821. 27/04/72. (SD, POM).
- 24) *P. scouleri*. Isla Magdalena, B.C.S. At Punta Hughes. N 24° 45' W 112° 24'. *Dawson, E. Y.* 9336. 5/04/50. (AHFH). *P. scouleri*. Isla Magdalena, B.C.S. Towards the south end of the island. Bearing flowers. N 24° 32' W 112° 05'. *Dawson, E. Y.* 6680. 3/08/49. (AHFH). *P. scouleri*. Isla Magdalena, B.C.S. At Punta Estrada. Bearing flowers. N 24° 32' W 112° 05'. *Dawson, E. Y.* 9279. 5/02/50. (AHFH, UC).
- 25) *P. scouleri*. Isla Santa Margarita, B.C.S. Near Punta Redonda at the mouth of Bahía Magdalena. Bearing flowers. N 24° 31' 111° 59'. *Ramírez-García* 636. 14/05/96 (MEXU). *P. Torreyi*. Isla Santa Margarita. Near the mouth of the bay. N 24° 31' 111° 59'. *Ramírez-García*