

SAN DIEGO COUNTY
PLANT PATHOLOGY LAB ANALYSES
OF 5 SEPARATE TORREY PINE DISEASED SAMPLES
APRIL, 2018

SAMPLE 1

* OFFICE AND LABORATORY USE ONLY *

Inspector: _____ Date received: 3/29/18 Received by: DGD
 Please copy inspector Lab number: D1803-0261

DIAGNOSIS: ^(fungal) No insects or primary plant pathogens were found on the samples. To find a plant pathogen, one needs to find the damaged area, a lesion, canker, or spot, and check that area for the presence of pathogens. I did not find any such suspicious areas on the sample. A common cause of decline of Torrey pines is a bark beetle infestation, aggravated by drought. The numerous small holes caused by the beetles can easily be found on the trunk without removal of any bark. No beetle holes were found on the samples.

Determined by: [Signature] Date: 3-29-18

SAMPLE 2

* OFFICE AND LABORATORY USE ONLY *

Inspector: _____ Date received: 4/16/18 Received by: CTH
 Please copy inspector Lab number: D1804-0309

DIAGNOSIS: The tissue beneath the small branch was green and light colored and healthy in appearance. The rest of the pieces were not suitable for culturing. The wood in most of them was falling apart, an indication that the tissue had been dead for some time.

Determined by: [Signature] Date: 4-16-18

SAMPLE 3

* OFFICE AND LABORATORY USE ONLY *

Inspector: _____

Date received: 4/17/18

Received by: CTH

Please copy inspector

Lab number: D1804-0315

DIAGNOSIS:

the wood damage likely bostrioid beetles and termites all secondary. No insect damage found in tips. Maybe consult field arborist at Professional Tree Care Association of San Diego

Determined by: _____

Jellis

Date: 4/23/18

SAMPLE 4

* OFFICE AND LABORATORY USE ONLY *

Inspector: _____

Date received: 4/24/18

Received by: CTH

Please copy inspector

Lab number: D1804-0324

DIAGNOSIS:

The sample was cultured on potato dextrose agar. The fungi Alternaria sp. (c) and Penicillium sp. (c) were recovered. No Fusarium sp., the cause of pine pitch canker, were recovered. Alternaria and Penicillium are common colonizers of dead plant material and are not causing the problem.

Determined by: _____

[Signature]

Date: 5-3-18

SAMPLE 5

* OFFICE AND LABORATORY USE ONLY *

Inspector: _____

Date received: 4/25/18

Received by: CTH

Please copy inspector

Lab number: D1804-0340 / D1804-0334

DIAGNOSIS:

See results from Lab Number D1804-0334.

Determined by: _____

[Signature]

Date: 5-3-18