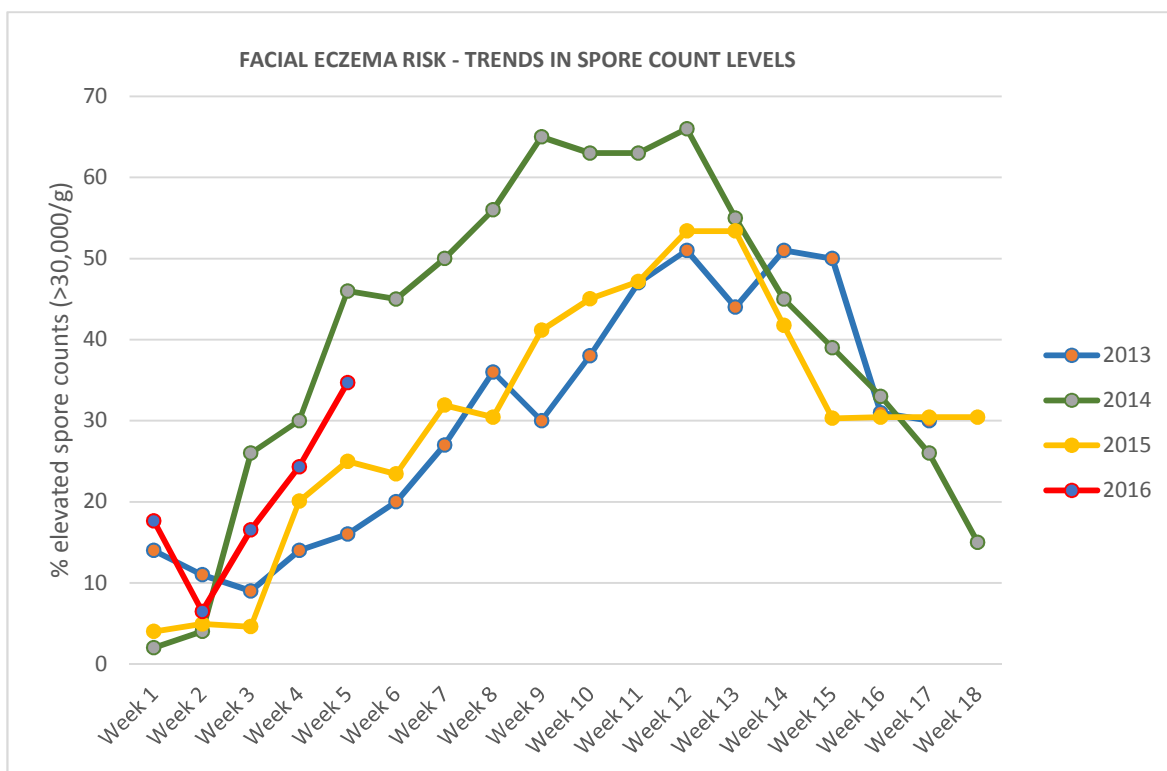


Facial Eczema Risk and Incidence Monitor Report

Weekly Summary

11-Feb-16

FE Risk -National trends in spore count levels (% elevated above 30,000 spg)



Data provided by: Eltham VS, Peninsula VS, Anexa FVC
 Gordonton/Huntly/Morrinsville/Raglan, Matamata Vets, Landmark Vets
 TeAroha/Matamata, BayVets Veterinary Health-Whakatane, Paeroa VS, Vets
 North, Global VS, Vetora
 Rotorua/Glenview/TeAwamutu/Putaruru/Otorohanga, TePuke VC, Totally Vets,
 Opotiki VC, Dargaville VC, Hauraki Vets, Topvets, Warkworth Vets, The Vet
 Centre Maungaturoto/Ruawai, South Rangitikei VS, Atkinson & Ass
 TeKuiti/Piopio, New Plymouth VG, Eltham VS, Vet Ass Hastings, Northlan VG,
 Cambridge VS, . **AssureQuality Contributors: Hastings, Dannevirke,
 Morrinsville, Pukekohe/Franklin, Auckland, Whangarei, Kaikohe, Horowhenua**

About Facial Eczema

Facial eczema (FE) affects most ruminants but especially cattle and sheep throughout most North Island regions plus the northern end of the South Island. FE is responsible for serious production losses estimated to be around \$200m annually with affected stock suffering liver and skin damage, which together contribute to ill-thrift, reduced fertility, reduced milk and meat production and, if left unprotected, in worst cases death.

During summer and autumn months warm, humid conditions together with dead litter in pasture support the growth of a fungus (*Pithomyces chartarum*) in pasture. Animals graze toxic pasture and once in the rumen the spores release a mycotoxin sporidesmin, which then enters the blood stream eventually finding its way into the liver. The toxin specifically attacks the cells of the bile duct resulting in the liver being unable to process and excrete waste products and phylloerythrin, a chlorophyll breakdown product. Infected animals display signs of photosensitisation and look distressed. The first signs are often reddening and swelling of skin exposed to the sun (i.e. around the eyes, ears, lips and nose) as well as restlessness, shaking and rubbing of the head and ears, and seeking shade.

Prevention of Facial Eczema

With careful planning and implementing a sound FE management plan, farmers can take control of the risk of facial eczema. Prevention is the only recognised method of avoiding FE. Ensure all staff are aware of the associated risks and dangers of FE but ensure the plan is implemented when spore counts are rising but before clinical signs are identified.

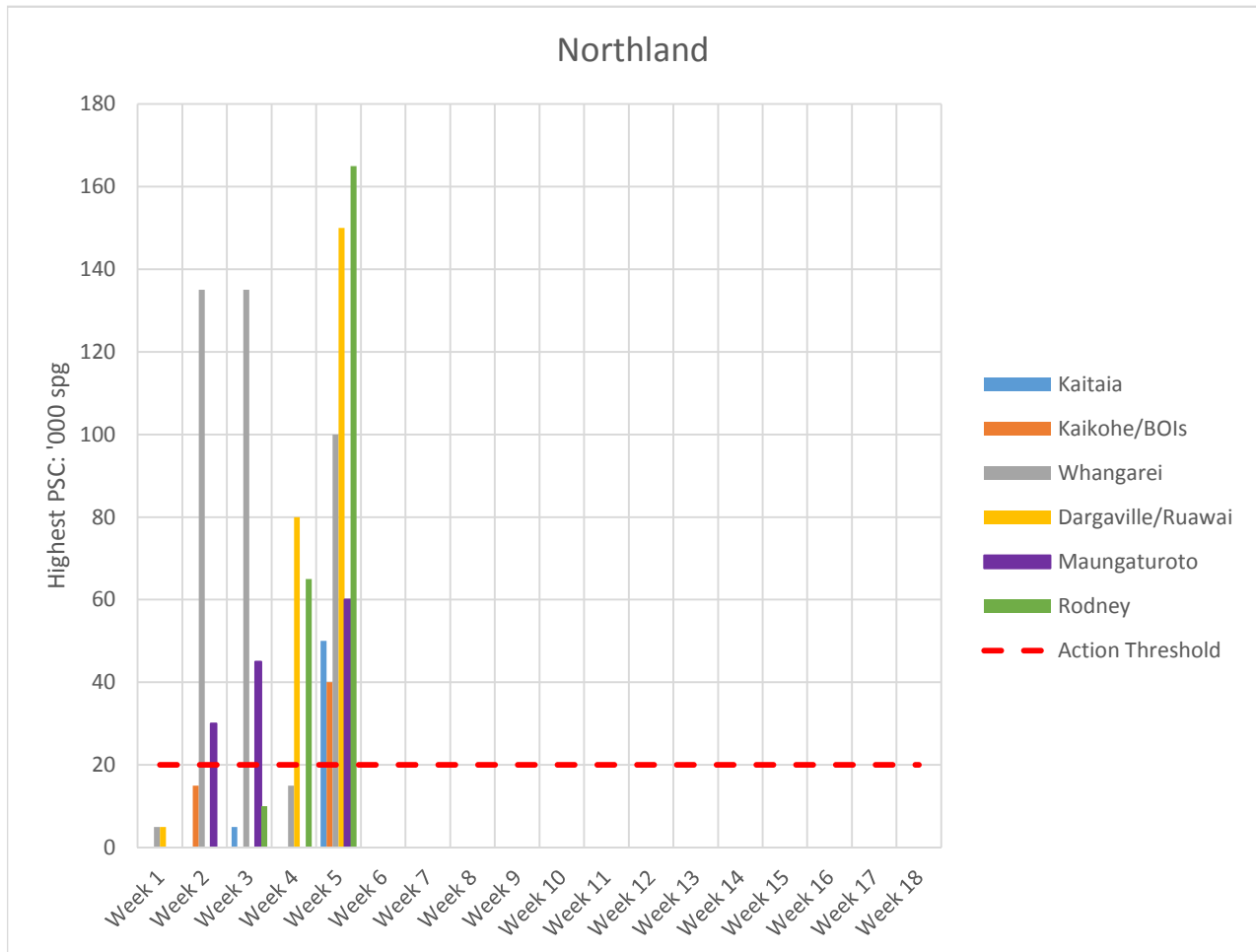
Essential to start FE control early.

Ideally start prevention with zinc treatment and Fungicidal sprays, two or three weeks before the spore growth danger period for maximum protection.



Northland

When local pasture spore counts are trending upwards of 20,000 spores / gram and weather conditions look favourable for sporulation, monitor your own farm's pasture spore counts week to week and implement Facial Eczema control and prevention strategies.



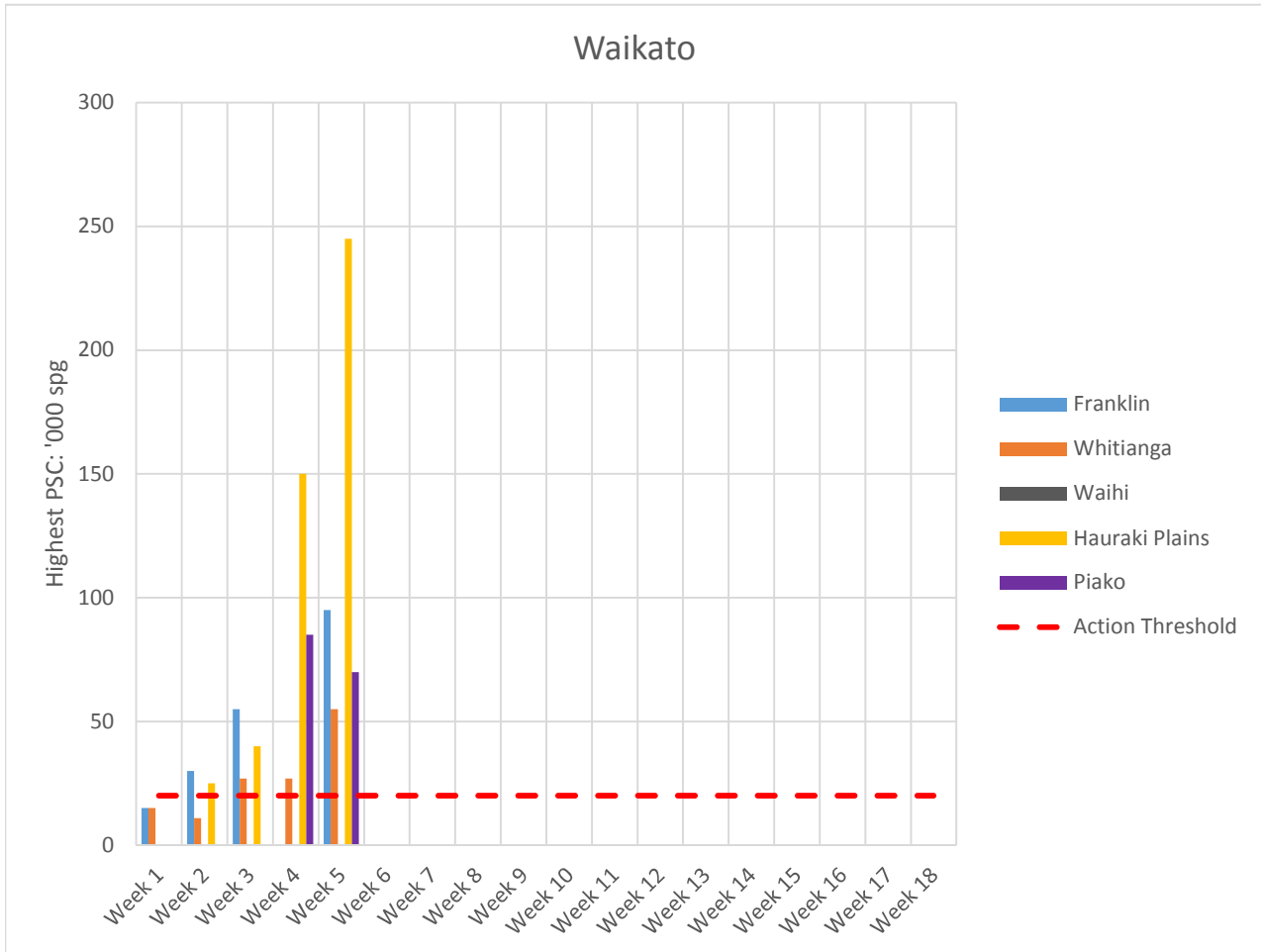
For the local weather forecast in your region please go to:

<http://www.stuff.co.nz/national/weather>

Data provided: Kaitaia 6 Kaikohe/BOIs 2, Whangarei 4 ,Dargaville/Ruawai 7, Maungaturoto 3 , Rodney 11,

Waikato

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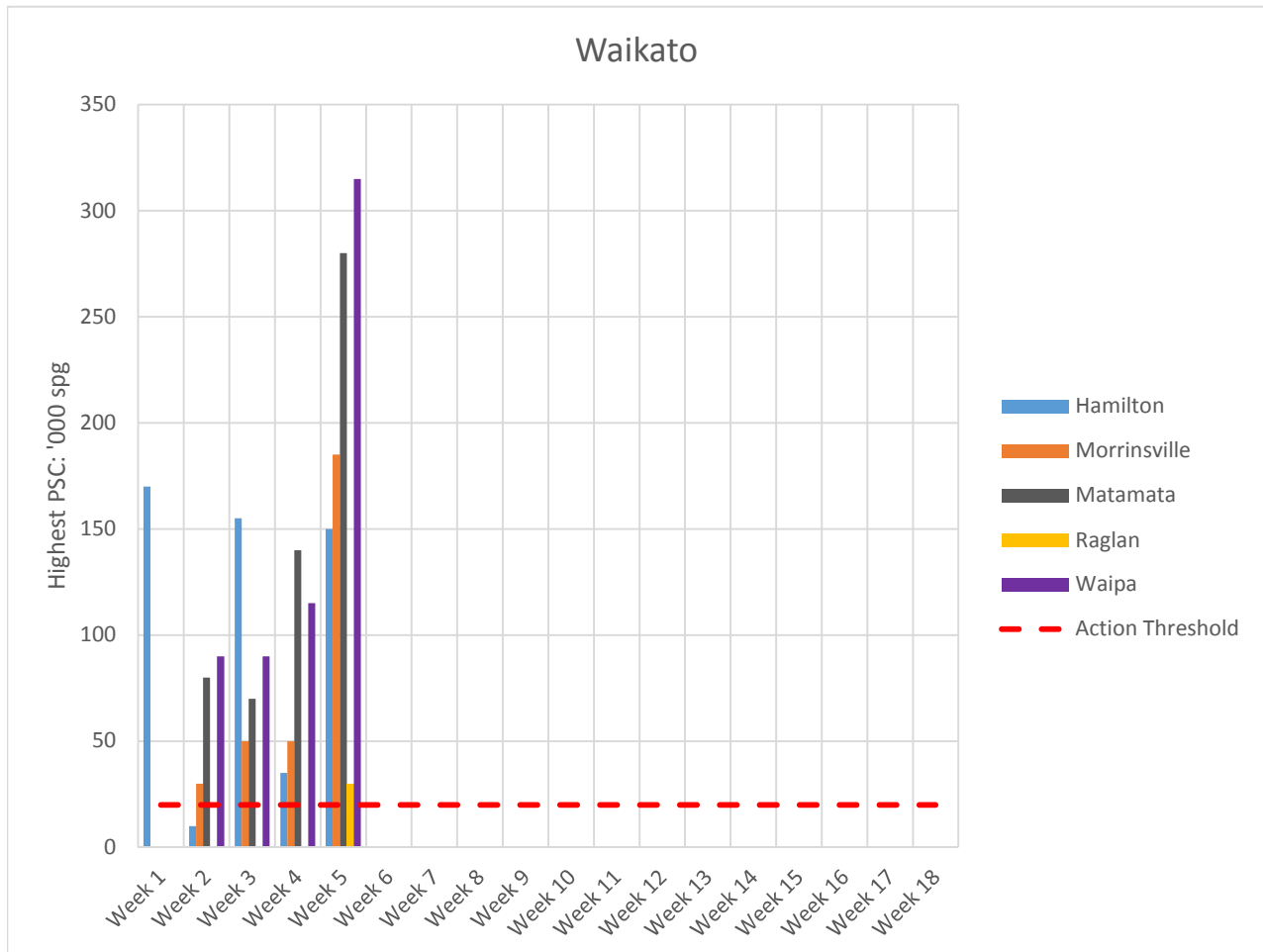
For the local weather forecast in your region please go to:

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Data provided by: Franklin 3, Whitianga 6, Waihi 0, Hauraki Plains 14, Piako 5.

Waikato

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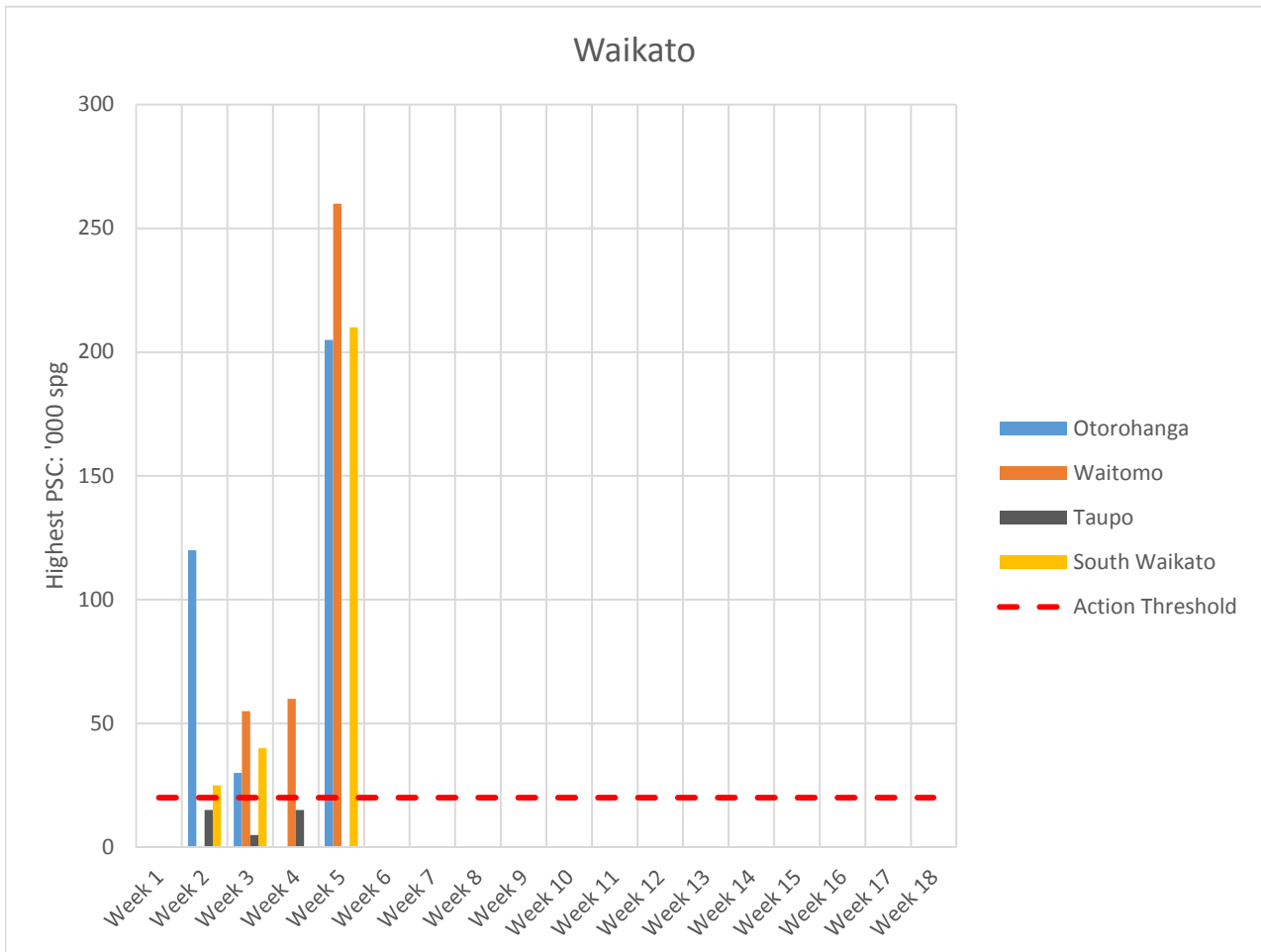
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Data provided by: Hamilton 10, Morrinsville 8, Matamata 11, Raglan 8, Waipa 18

Waikato

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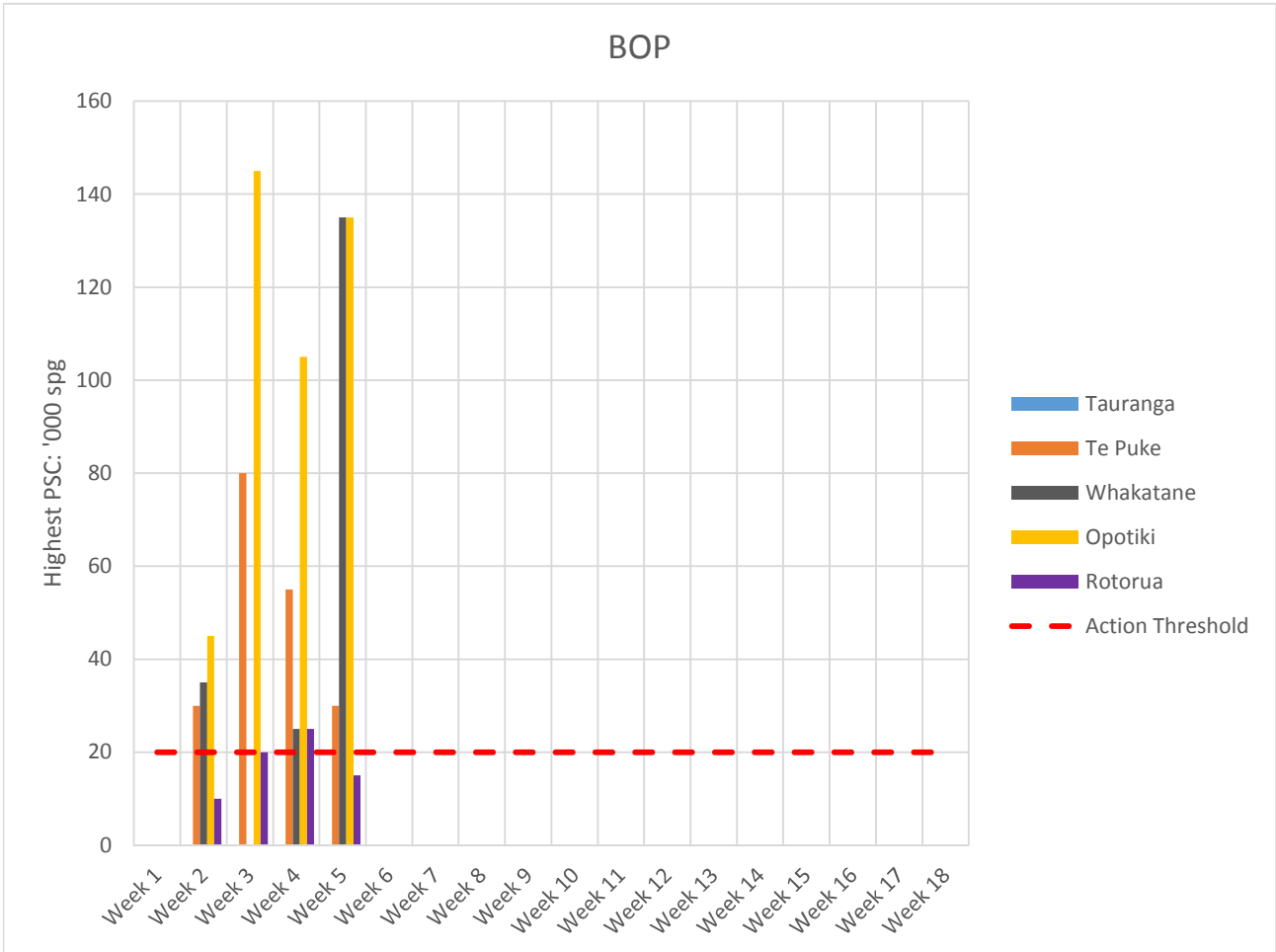
For the local weather forecast in your region please go to:

<http://www.stuff.co.nz/national/weather>

Data provided by: Otorohanga 4 , Waitomo 22, Taupo 0, South Waikato 6

Bay of Plenty

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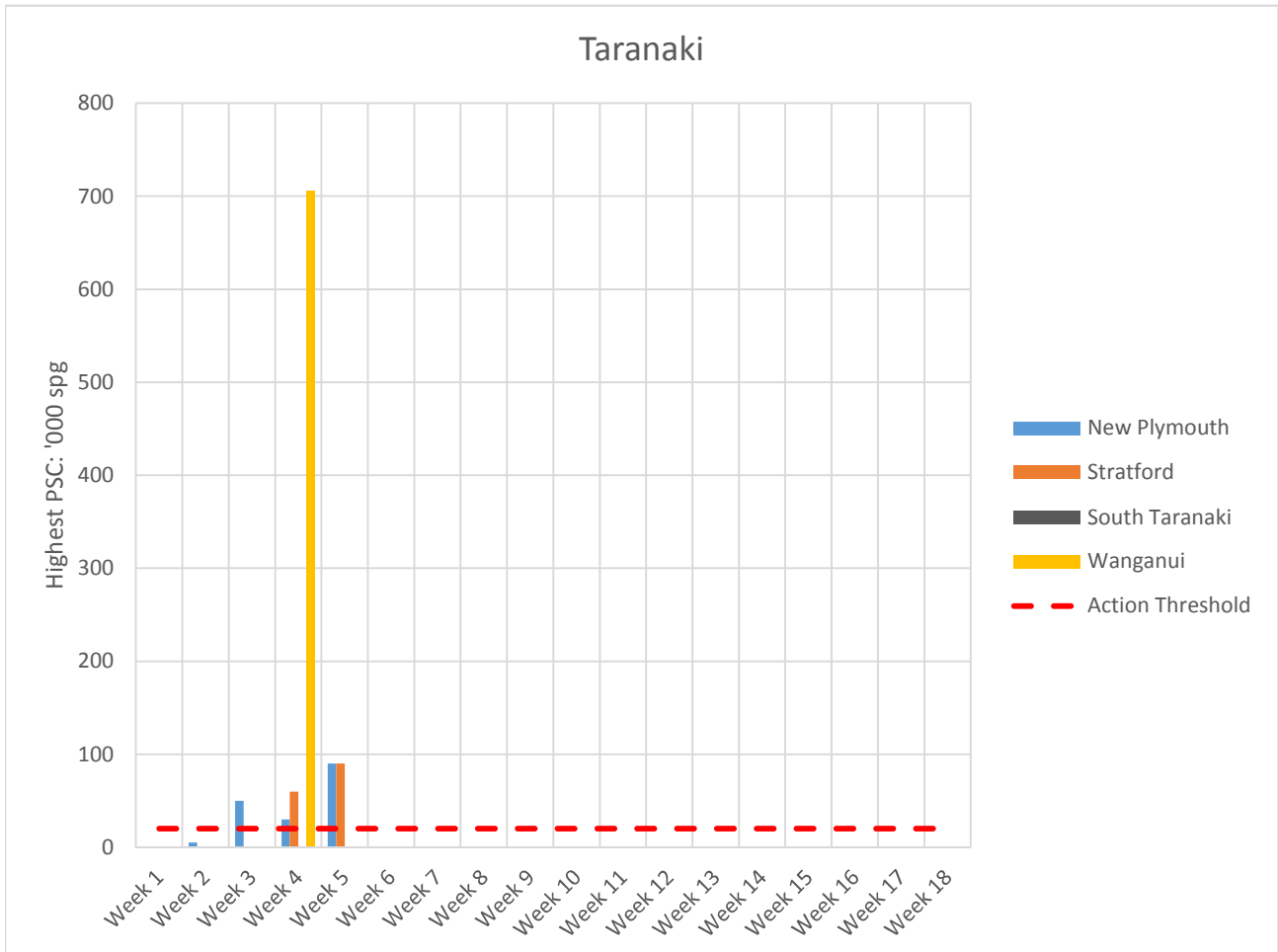
For the local weather forecast in your region please go to:

<http://www.stuff.co.nz/national/weather>

Data provided by: Tauranga 0, Te Puke 22; Whakatane 16, Opotiki 11, Rotorua 8

Taranaki

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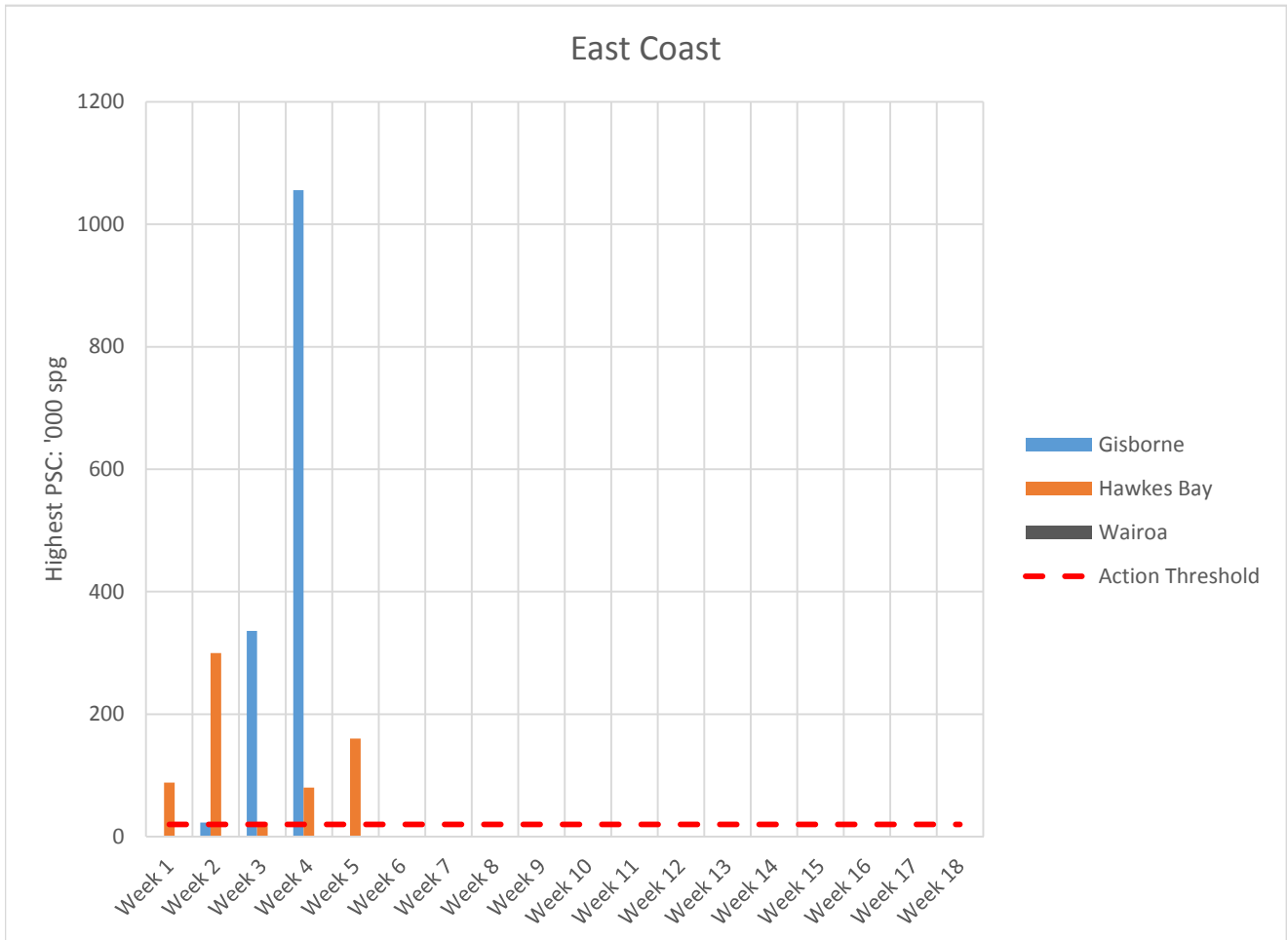
For the local weather forecast in your region please go to:

<http://www.stuff.co.nz/national/weather>

Data provided by: New Plymouth 7, Stratford 8, South Taranaki 0, Wanganui 0

East Coast

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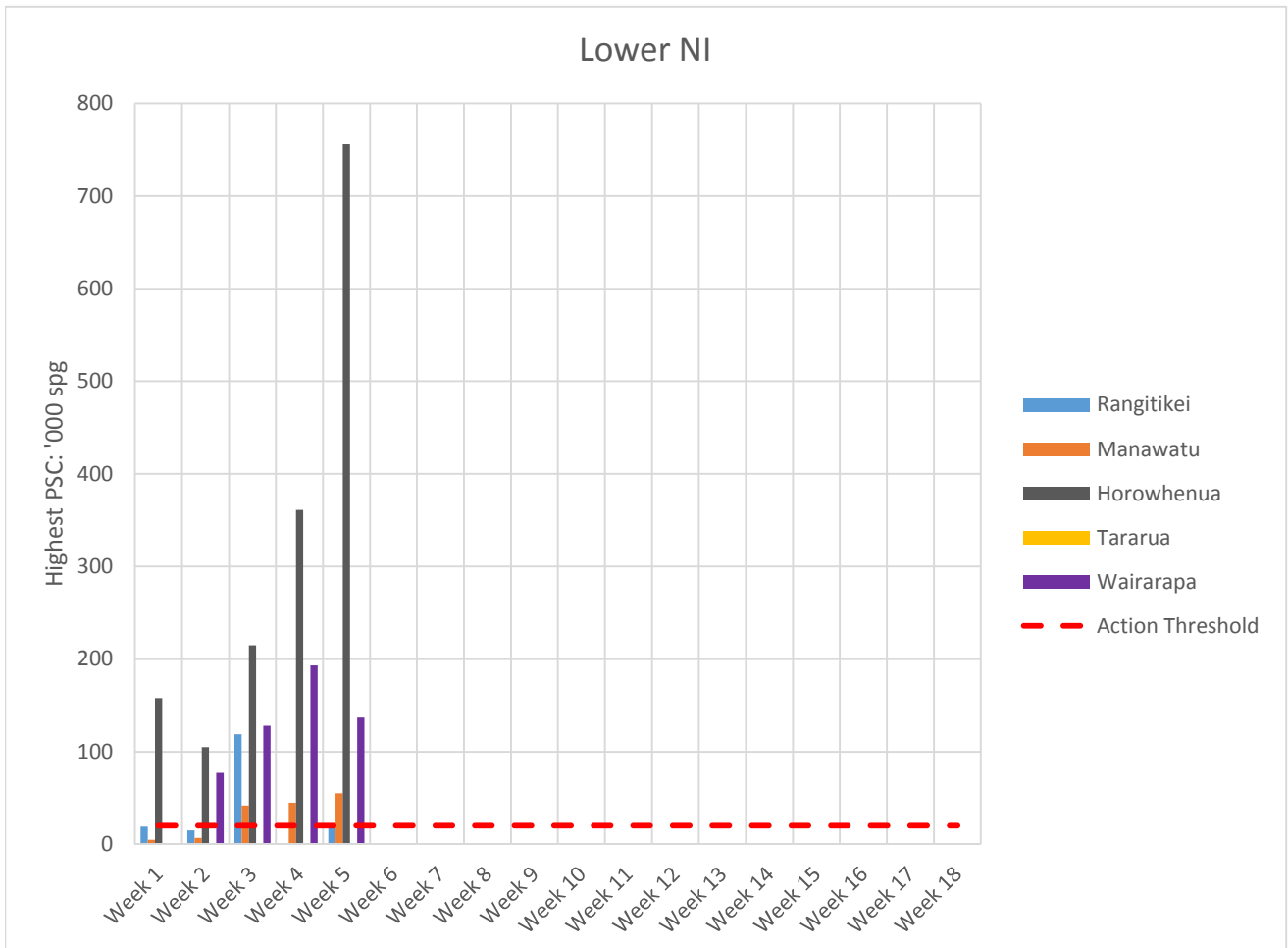
For the local weather forecast in your region please go to:

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Data provided by: Gisborne 0, Hawkes Bay 11, Wairoa 0

Lower North Island

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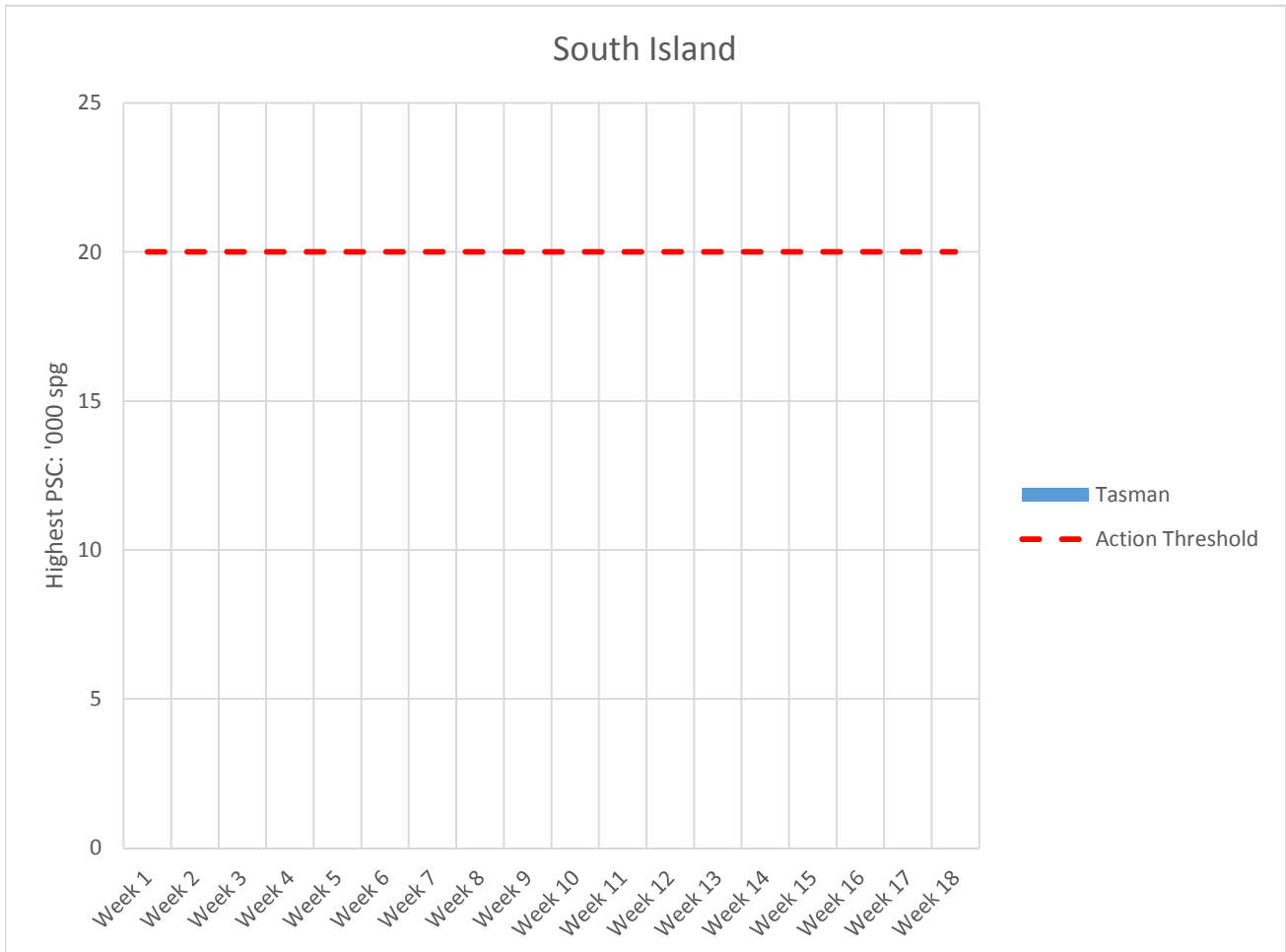
For the local weather forecast in your region please go to:

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Data provided by: Rangitikei 5; Manawatu 25, Horowhenua 8, Tararua 0, Wairarapa 3

South Island

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Data provided by: Tasman 0

