

ACH recommendations - Ōkahukura

I.D.	Drain type	Length (m)	Maintenance	Work details
A	Primary	6610	Spray twice-yearly Clean mechanically once every 5 years, truck spoil away.	The drain has been sprayed once a year and partly sprayed by landowners. The southern end has been mechanically cleaned. A community grant has been provided to complete mechanical cleaning at the northern end.
B	Secondary	1010	Spray twice-yearly Clean mechanically once every 5 years, truck spoil away	The drain has been fully sprayed once a year. A community grant has been provided to complete mechanical cleaning.
C	Primary	580	Spray twice-yearly Clean mechanically once every 5 years	The drain has been fully sprayed once a year. The second inspection of these drains required spot spraying. No mechanical cleaning was required. The contractor inspected these drains and no significant issues were found. Access is limited through private property and swamps.
E	Secondary	370	Spray twice-yearly Clean mechanically once every 5 years, truck spoil away	The drain has been fully sprayed once a year. The second inspection of these drains required spot spraying. No mechanical cleaning was required. The contractor inspected these drains and no significant issues were found. Access is limited through private property and swamps.
F	Secondary	1340	Spray twice-yearly Clean mechanically once every 5 years, truck spoil away	The drain has been fully sprayed once a year. The second inspection of these drains required spot spraying. No mechanical cleaning was required. The contractor inspected these drains and no significant issues were found. Access is limited through private property and swamps.
G	Secondary	920	Spray twice-yearly Clean mechanically once every 5 years, truck spoil away	The drain has been fully sprayed once a year. The second inspection of these drains required spot spraying. No mechanical cleaning was required. The contractor inspected these drains and no significant issues were found. Access is limited through private property and swamps.

H	Secondary	1370	Spray twice-yearly Clean mechanically once every 5 years, truck spoil away	The first round of spraying through the avocado orchards was completed using a head spray. The second inspection of these drains required spot spraying. No mechanical cleaning was required. The contractor inspected these drains and they were found to be largely well maintained.
I	Secondary	820	Spray twice-yearly Clean mechanically once every 5 years, truck spoil away	The drain has been fully sprayed once a year. The second inspection of these drains required spot spraying. No mechanical cleaning was required. The contractor inspected these drains and no significant issues were found. Access is limited through private property and swamps.
J	Primary	1820	Spray twice-yearly Clean mechanically once every 5 years	The drain has been fully sprayed once a year. The second inspection of these drains required spot spraying. No mechanical cleaning was required. The contractor inspected these drains and no significant issues were found. Access is limited through private property and swamps.
K	Tertiary	420	Spray twice-yearly Clean mechanically once every 5 years, truck spoil away	The drain has been fully sprayed once a year. The second inspection of these drains required spot spraying. No mechanical cleaning was required. The contractor inspected these drains and no significant issues were found. Access is limited through private property and swamps.
L	Primary	700	Spray twice-yearly Clean mechanically once every 5 years	The drain has been fully sprayed once a year. The second inspection of these drains required spot spraying. No mechanical cleaning was required. The contractor inspected these drains and no significant issues were found. Access is limited through private property and swamps.
M	Primary	1200	Spray twice-yearly Clean mechanically once every 5 years	The drain has been fully sprayed once a year. The second inspection of these drains required spot spraying. No mechanical cleaning was required. The contractor inspected these drains and no significant issues were found. Access is limited through private property and swamps.
Ma	Secondary	900	Spray twice-yearly Clean mechanically once every 5 years	The drain has been fully sprayed once a year. The second inspection of these drains required spot spraying.

				No mechanical cleaning was required. The contractor inspected these drains and no significant issues were found. Access is limited through private property and swamps.
N	Primary	1040	Spray twice-yearly Clean mechanically once every 5 years, truck spoil away	The first round of spraying through the avocado orchards was completed using a head spray. The second inspection of these drains required spot spraying. No mechanical cleaning was completed as it is located within inaccessible swamp.
Na	Secondary	830	Spray twice-yearly Clean mechanically once every 5 years, truck spoil away	The first round of spraying through the avocado orchards was completed using a head spray. The second inspection of these drains required spot spraying. No mechanical cleaning was required. The contractor inspected these drains and they were found to be largely well maintained.
O	Primary	1240	Spray twice-yearly Clean mechanically once every 5 years, truck spoil away	The drain has been fully sprayed once a year. The second inspection of these drains required spot spraying. No mechanical cleaning was required. The contractor inspected these drains and no significant issues were found. Access is limited through private property and swamps.
P	Primary	2200	Spray twice-yearly Clean mechanically once every 5 years, truck spoil away	The first round of spraying through the avocado orchards was completed using a head spray. The second inspection of these drains required spot spraying. Significantly earthworks were undertaken to complete mechanical cleaning of this drain. A community grant has been provided to complete spraying and mechanical cleaning.
Q	Primary	730	Spray twice-yearly Clean mechanically once every 5 years, truck spoil away	The first round of spraying through the avocado orchards was completed using a head spray. The second inspection of these drains required spot spraying. No mechanical cleaning was required. The contractor inspected these drains and they were found to be largely well maintained.
R	Primary	820	Spray twice-yearly Clean mechanically once every 5 years	The drain has been fully sprayed once a year. The second inspection of these drains required spot spraying.

				No mechanical cleaning was required. The contractor inspected these drains and no significant issues were found. Access is limited through private property.
T	Primary	1350	Spray twice-yearly Clean mechanically once every 5 years	The drain has been fully sprayed once a year. The second inspection of these drains required spot spraying. No mechanical cleaning was required. The contractor inspected these drains and no significant issues were found. Access is limited through private property.
U	Secondary	680	Spray twice-yearly Clean mechanically once every 5 years	The drain has been fully sprayed once a year. The second inspection of these drains required spot spraying. No mechanical cleaning was required. The contractor inspected these drains and no significant issues were found. Access is limited through private property.
W	Secondary	170	Spray twice-yearly Clean mechanically once every 5 years	The drain has been fully sprayed once a year. The second inspection of these drains required spot spraying. No mechanical cleaning was required. The contractor inspected these drains and no significant issues were found. Access is limited through private property.
X	Secondary	380	Spray twice-yearly Clean mechanically once every 5 years	The drain has been fully sprayed once a year. The second inspection of these drains required spot spraying. No mechanical cleaning was required. The contractor inspected these drains and no significant issues were found. Access is limited through private property.
Y	Secondary	570	Spray twice-yearly Clean mechanically once every 5 years	The drain has been partially sprayed amongst dense flax once a year. During the second inspection hand pruning was completed. No mechanical clearing was completed. The drain is a doubled up on K drain and redundant. The pipe used to make the vehicle crossing is undersized and blocking flows. To reduce this, the culvert owner should upgrade this pipe.
Z	Primary	780	Spray twice-yearly Clean mechanically once every 5 years	Unable to access as it is a natural watercourse and steep.

I.D.	Type	Description and Condition	Ongoing/required maintenance	Work details
i	Floodgate No. 1	Located at the southern end of the drainage district. Appears to be in good condition and working well.	Annual inspection and review	Inspection has been completed, the floodgate is old but working.
ii	Floodgate No. 2	Located at the southern end of the drainage district. Appears to be in good condition and working well.	Annual inspection and review	Private property access issue. Inspected will be completed in summer.
iii	Culvert 3	Culverts on main drains. Generally in good condition. Water pipe running across the drain at one end of the culvert is restricting flow and collecting vegetation.	Consider diversion of irrigation pipe to minimise blockage of drain	Inspection has been completed and it is in good working condition. The vegetation has been cleared.
iv	Culvert 4	Culverts on main drains. Generally in good condition.	Annual inspection and review	Inspection has been completed and it is in good working condition. The vegetation has been cleared.
v	Floodgate No. 3	Located at south eastern edge of the district. In poor condition, disjointed and totally submerged, therefore non-operational.	Replacement floodgate required	The floodgate has been replaced. A community grant has been provided for remedial work.
vi	Culvert 6	Located in centre of district under Okahukura road. Culvert in good condition. Upstream drain has been lowered over time and is ponding.	Annual inspection and review	Inspection has been completed and it is in good working condition. The vegetation has been cleared.
vii	Culvert 7	Last pipe in culvert has lost bedding and has slumped.	Culvert repair	The culvert has been repaired.
viii	Culvert 8	Culverts on main drains. Generally in good condition.	Annual inspection and review	Inspection has been completed and it is in good working condition.
ix	Floodgate No. 4	Located at the northern end of the drainage district. Appears to be in good condition and working well.	Annual inspection and review	Unable to locate this floodgate.
x	Culvert 5	Culverts on main drains. Generally in good condition.	Annual inspection and review	Inspection has been completed and it is in good working condition.